College of Liberal Arts and Sciences

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See pages 12-13 for admission procedures.

Application fees: Domestic students in liberal arts and sciences: paper $55, online $45.
International students in liberal arts and sciences: paper $60, online $55.
Requirements of the College

Nondegree-Seeking and Certificate-Seeking Students

Under certain limited circumstances, students may enroll as nondegree-seeking graduate students. This status is best suited to students who plan to transfer graduate courses at KU to a degree program at another university. Students seeking certificates or participating in workshops also may need to use nondegree-seeking status. This status carries the following limitations, of which potential nondegree-seeking and certificate-seeking students should be aware:

- Admission to a degree program is not guaranteed.
- Student health insurance is not available.
- Federal financial aid is not available.
- Student loans may not be deferred.

Admission Process. An applicant may seek admission to a program or department. Check with departments and programs regarding the specific materials they require. The other materials below are required:

- Graduate application, online at www.graduate.ku.edu.
- Original transcript(s) of all college work (must show conferral of undergraduate degree).
- A $30 nonrefundable application fee payable to the University of Kansas.
- Permission of the graduate director of the department in which the course is offered.

Nondegree-Seeking Student Admission. Nondegree-seeking applicants must meet the admission standards for regular admission status. A nondegree-seeking applicant does not intend to work for an advanced degree or is working toward a graduate certificate. If a nondegree-seeking student later applies for admission as a regular degree-seeking student and is accepted by a department, the total of transfer credit may not exceed 6 hours, or 8 hours if the student holds a baccalaureate degree from KU (this total includes credit from other accredited graduate schools as well as nondegree credit earned at KU).

Nondegree-seeking applicants who do not meet regular admission standards must be admitted under provisional status.

Applicants who wish to attend institutes or workshops may be admitted through the Easy Admit process. This allows any person with a baccalaureate degree from an accredited institution to take one course a semester, without meeting the additional requirements for regular nondegree-seeking admission. Please note, current degree-seeking graduate students who wish to pursue a graduate certificate are not required to apply for nondegree-seeking status. See Graduate Certificate Programs in the General Information chapter of this catalog for more information.

Probation/Dismissal Policy for Graduate Nondegree-Seeking and Certificate-Seeking Students. If a graduate nondegree-seeking or certificate-seeking student has a cumulative grade-point average below 3.0, the student receives a warning letter stating that the student’s cumulative grade-point average must rise to 3.0 or above in the next academic semester or the student will be dismissed.

Degree-Seeking Students

Admission. A nonrefundable application fee payable to the University of Kansas is required. See Admission in the General Information chapter of this catalog.

To be admitted, a student must have a baccalaureate degree from an accredited institution or the equivalent from a university abroad. Requests for exemption from this regulation must be forwarded with departmental and CLAS endorsement to the dean of Graduate Studies.

Admission is denied if an applicant’s bachelor’s degree contains a significant amount of credit awarded for work experience that was not supervised by a faculty member of an accredited institution (life experience) or not evaluated in units that identify the academic content (e.g., P/F, S/U). Some departments or programs may admit students who do not meet the minimum grade-point average requirements. These students are admitted provisionally. The requirements for achieving good standing as a graduate student are specified in the letter of admission. Generally, earning a grade-point average of 3.0 in the first semester of enrollment is sufficient to achieve good standing. In some cases, passing certain required courses with a minimum grade or meeting specific competencies by a set time also may be required.

Deadline Dates for the Issuance of I-20’s to International Students Still in Their Home Countries. Completed international applications (admitted by the department with complete financial and English information) are processed and the appropriate visa form (I-20 or IAP-66) sent to students if applications are received by:

- November 15—any spring semester
- April 15—any summer session
- June 15—any fall semester

Students whose applications are received after these dates are granted admission for the following semester. Exceptions are handled individually.

Enrollment (Degree, Nondegree, Certificate)

Nine credit hours in fall or spring semester and 6 hours in summer session constitute full-time enrollment in graduate study.

Maximum enrollment for graduate students, except in rare instances, is 16 hours in fall or spring semester and 9 hours in summer session. The enrollment of a student who is working full time on a dissertation must reflect that fact.
Certificate students may have different course-load requirements. Check with an appropriate adviser.

Generally, no student is accepted and allowed to enroll after the first four weeks of a semester or the first two weeks of a summer session.

**Dual Enrollments.** Students enrolled in two schools or working on two degrees at the same time must complete the work for both degrees. No courses count toward both degrees, except in the joint degree programs that have been established (e.g., M.P.A./J.D., M.A. Econ./J.D., M.B.A./M.A. in Area Studies, etc.). See also Master’s Degrees, Combined Master’s Degrees in the General Information chapter of this catalog.

**Failure to Enroll.** All graduate students are expected to enroll in the spring and fall semesters while completing the credit hours required for the fulfillment of their degrees. Furthermore, toward the end of the degree programs, many students are required to be enrolled in the summer session as well. See specific continuous enrollment requirements in the Master’s Degree and Doctor of Philosophy Degree sections, as well as in individual academic units’ handbooks. If a student fails to enroll as required, she or he must either petition CLAS for a leave of absence or submit a resignation form to voluntarily resign from his or her graduate program indefinitely.

When a leave of absence is granted, a place in the graduate program is held, and the duration of the requested leave (one calendar year or less) is added to the time limit for the student to complete the program requirements (see program time constraints). When a student voluntarily resigns from a graduate program, a place in the program is not held, and the student must apply to the program to be reactivated and given a new place before his or her subsequent return to KU. If the student opts to return to the same graduate program and the academic unit accepts the student, the duration for which the student was resigned from the program is added to the time limit for the student to complete the program requirements.

Students who fail to enroll as specified above, or who have not voluntarily resigned or been given a leave of absence from the graduate program, are reviewed by the College Office of Graduate Affairs and the students’ academic units for possible dismissal. Because failure to make satisfactory progress toward the degree is cause for dismissal, students should stay in contact with their academic advisers and departments to ensure they are meeting program requirements.

If a student voluntarily resigns from a CLAS graduate program, she or he is eligible to be readmitted to KU as a graduate student in another department in the College of Liberal Arts and Sciences through the regular application and admission process.

**International Students.** International students who do not pass the Applied English Center examination or receive a waiver from the Applied English Center are not granted graduate degrees. Such students must pass the courses required of them by the Applied English Center before being allowed to enroll for graduate credit.

**Academic and Research Integrity**
The College of Liberal Arts and Sciences strictly enforces KU and CLAS policies on academic and scholarly misconduct. Academic integrity requires honest performance of academic and research responsibilities by students. These include, but are not limited to, ethical preparation of assignments, reports, and research papers; completion of examinations; ethical treatment of human and animal subjects; execution of administrative requirements; and a sincere and conscientious effort by students to abide by the policies set forth by instructors and research advisers.

**Grading**
The +/- grading system is used in the College of Liberal Arts and Sciences; the plus or minus describes intermediate levels of performance between a maximum of A and a minimum of F. Intermediate grades represented by plus or minus are calculated as 0.3 units above or below the corresponding letter grade. The Credit/No Credit system is not used for graduate courses in the College. All other grading policies for students enrolled in CLAS graduate courses are outlined in Article II of the University Senate Rules and Regulations (https://documents.ku.edu/policies/governance/LISRR.htm).

**Probation and Dismissal Guidelines.** To be in good standing, a student must maintain a 3.0 cumulative grade-point average; if the grade-point average falls below 3.0, the department is notified that the student should be placed on probation. This action is followed by a letter to the student confirming the probation and explaining the student’s options.

Usually a student is placed on probation for one academic semester. If the cumulative grade-point average has not risen to 3.0 at this point, the student can either be dismissed or be allowed to continue on probation, depending on the department’s decision. If a student has a dangerously low grade-point average and is in jeopardy of never graduating, the department must write a letter explaining why the student should be allowed to continue.

A graduate student can be dismissed upon recommendation of the student’s department. Academic dismissal should occur before a semester begins; but if a student is dismissed during the semester, the dismissal is effective only at the end of the semester in which the department gives notification of dismissal. The student is notified of dismissal. Usually a graduate student is dismissed because of a low grade-point average; however, failure of examinations or failure to make satisfactory progress toward the degree are also cause for dismissal.

If a department dismisses a student, he or she cannot be readmitted as a graduate student in any department in the College of Liberal Arts and Sciences.

**Maximum Time to Submit Thesis or Dissertation**
From the final presentation and/or defense of the thesis or dissertation work to a student’s adviser and/or committee members, a period of six months is allowed for students to make revisions and to file the final version of the manuscript. During this time, the student must be enrolled in at least 1 hour of dissertation credit (or more if required by the academic unit). Students who do not file the final manuscript within the six-month time limit must enroll in 3 hours a semester until the thesis or dissertation is completed and filed.
Master’s Degrees

Students have a total of seven calendar years, barring any periods of absence due to approved leaves of absence or temporary resignation from a program, in which to complete the work for a master’s degree. See also Master’s Degree Requirements, Program Time Constraints in the General Information chapter of this catalog. Departments may have stricter time limits. See your academic unit’s handbook for program-specific information, requirements, and restrictions.

Continuous Enrollment for Master’s Students. All master’s students who have completed the required course work for their degrees must be continuously enrolled in the spring and fall semesters until all requirements for the degree are completed. No enrollment is required during the summer session unless it is the semester during which the student will graduate, in which case enrollment is required. However, certain academic units have rules governing summer enrollment. The number of hours of enrollment is determined by the student’s degree program.

All materials relative to completion of a master’s degree—electronically submitted thesis and associated fees, signed title and acceptance pages, results of the final oral examination, etc.—must be received by the end of the first two weeks of a semester or the first week of summer session if the student does not plan to enroll.

Final Examination. A final general examination in the major subject is required. The examination is held during the semester of the student’s final enrollment in course work and, in the case of thesis programs, when the thesis has been substantially completed. In thesis programs, an oral thesis defense may be one of the degree requirements. Such a defense may be offered in addition to, or in conjunction with, the required general examination in the major field. Students earning a master’s thesis degree must have completed at least 1 hour of thesis enrollment before the master’s degree can be awarded. See also Master’s Degree Requirements, M.A. and M.S. Degrees, in the General Information chapter of this catalog.

Thesis. General rules for the preparation of a thesis are available online at www.graduate.ku.edu.

Doctor of Philosophy Degree

A total of 10 calendar years, barring any periods of absence due to approved leaves of absence or temporary resignation from a program, is allowed to complete both the master’s and the Ph.D. If the student either enters with a master’s degree or bypasses to the Ph.D., a total of eight years is allowed. Up to a one-year time extension is typically granted, on the written advice of the dissertation committee and the graduate director or adviser of the department or program. The only exceptions to the enforcement of the one-year extension rule occur if the student is making progress and if the department shows strong support.

Several departments have set their own, stricter time limits. Students are required to review graduate program handbooks for program specific limits.

A student must fulfill the equivalent of three years of full-time academic study in completing the requirements for the doctorate, including the time spent attaining the master’s degree. Resident study at less than full time requires a corresponding longer period to complete the requirements. See also Doctoral Degree Requirements, Doctor of Philosophy in the General Information chapter of this catalog.

Research Skills. When a student meets the research skills requirement for the Ph.D. degree, notice must be submitted on the appropriate form. The skill should be described in words; a list of course numbers or titles is not acceptable. The research skill must be completed before the oral comprehensive examination can be taken.

Residence Requirement. The doctoral residence requirement should be fulfilled before the comprehensive oral examination is scheduled.

Comprehensive Oral Examination. This examination covers the major field and any outside work for which the academic unit wishes to hold the student responsible. The examination is expected to be broader than a mere defense of the dissertation proposal. See also Doctoral Degree Requirements, Doctor of Philosophy in the General Information chapter. The student must take the oral comprehensive examination for the Ph.D. degree before the first day of finals if the hours in which the student is enrolled at the time are to count toward the 18 post-comprehensive enrollment hours described under Doctoral Degree Requirements, Doctor of Philosophy, Candidacy in the General Information chapter. It may be necessary for a student to revalidate or retake the oral comprehensive if he or she took the examination more than five years before an extension of time request.

Dissertation. Rules for preparing the final copies of the dissertation are available online at www.graduate.ku.edu. All materials relative to the completion of a doctoral degree—electronically submitted dissertation and associated fees, signed title and acceptance pages, results of the final oral examination, etc.—must be received by the end of the first two weeks of a semester or the first week of summer session, if the student does not plan to enroll in dissertation hours.

KU Edwards Campus Graduate Programs

Students who would like to complete a graduate degree in the Kansas City area may choose from three CLAS graduate programs offered on KU’s Edwards Campus in Overland Park. Online information about program requirements, facilities, tuition, and fees is available at http://edwardscampus.ku.edu or www.iwentback.com. Residents of Kansas City metro area counties admitted as degree-seeking students to one of these programs may qualify for the MetroKC tuition rate for Edwards Campus courses. For more information, contact the CLAS graduate adviser at the Edwards Campus by calling 4-8510 from the Lawrence campus or (913) 897-8510 from an off-campus phone.

Communication Studies. The Master of Arts degree is offered on the Edwards Campus (the Ph.D. is offered only in Lawrence). See requirements in this chapter of the catalog.

International Studies. The Master of Arts degree is offered on the Edwards Campus. See requirements in this chapter of the catalog.

Public Administration. The Master of Arts degree is offered on the Edwards Campus (the Ph.D. is offered only in Lawrence). See requirements in this chapter of the catalog.

KU’s centers for African studies; East Asian studies; and Russian, East European, and Eurasian studies are U.S. Department of Education national resource centers.

Permanent exhibits are open in KU’s Natural History Museum and in Spencer Museum of Art.
International Studies Centers

Center for Global and International Studies
Interim Director: William Tsutsui
Strong Hall, 1450 Jayhawk Blvd., Room 200
Lawrence, KS 66045-7518
www.global.ku.edu, (785) 864-3661

The Center for Global and International Studies supports and promotes global and international studies at KU. In collaboration with International Programs, CGIS works to provide a single point of contact for faculty with international expertise to help facilitate interdisciplinary research and teaching opportunities. Building on longstanding institutional strength in international studies, the center focuses on topics and themes of transnational scope and on world areas of economic and strategic importance not covered by the existing area studies centers. CGIS contributes to the preparation of students for careers in an increasingly interconnected world by housing undergraduate and graduate degrees in global and international studies, and by supporting the introduction of new course offerings and study abroad opportunities. In addition, the center offers outreach activities to K-12 teachers, businesses, and governmental agencies across the region and serves as a resource for the local and international community.

Kansas African Studies Center
Director: Garth A. Myers, kasc@ku.edu
Associate Director: Jane Irungu, (785) 864-1064
Bailey Hall, 1440 Jayhawk Blvd., Room 10
Lawrence, KS 66045-7545
www.kasc.ku.edu, (785) 864-3745, fax: (785) 864-5330

The Kansas African Studies Center is a comprehensive National Resource Center funded by Title VI of the U.S. Higher Education Act for the study of Africa. It coordinates and develops the interdisciplinary interests of Africanists at KU and promotes the study and understanding of Africa in the university, the state, and the region. It sponsors research, enhances curricular and organizational conferences, promotes special projects, acquires library and related resources, conducts outreach programs, and seeks grants and special funding to make these activities possible.

Center for East Asian Studies
Director: Megan Greene
Bailey Hall, 1440 Jayhawk Blvd., Room 210
Lawrence, KS 66045-7545
www.ceas.ku.edu, (785) 864-3849, fax: (785) 864-5034

The Center for East Asian Studies is a National Resource Center funded by the U.S. Department of Education. CEAS promotes East Asian language and area studies; coordinates interdisciplinary activities; works with the East Asian Library; advises students in East Asian studies; awards Foreign Language and Area Studies Fellowships in Chinese, Japanese, Korean, Uyghur, and Tibetan; and arranges special events related to East Asia on campus. CEAS also offers outreach to schools, businesses, and the community and serves as a regional resource for information about East Asia.

Center for European Studies
Director: Diane Fourny
Bailey Hall, 1440 Jayhawk Blvd., Room 308
Lawrence, KS 66045-7545, www2.ku.edu/~ces, (785) 864-9070

The Center for European Studies facilitates the interdisciplinary study of Western Europe through teaching, scholarship, study abroad, and international exchanges. It promotes a better understanding of European-American relations and the impact of European integration on EU member states and their European partners and a deeper appreciation of the societies and peoples of this area. More than 80 faculty members who specialize in some aspect of European studies—including European history, architecture, French and Italian literatures and cultures, art history, Germanic languages and literatures, legal history and comparative law, Spanish and Portuguese languages and literatures, international relations, political science, and international business — contribute to programs, conferences, series, outreach, and exchanges dealing with the European community.

Center of Latin American Studies
Director: Elizabeth Kuznesof
Bailey Hall, 1440 Jayhawk Blvd., Room 320
Lawrence, KS 66045-7545
www2.ku.edu/~latamst, (785) 864-4213, fax: (785) 864-3800

The nationally recognized Center of Latin American Studies promotes interdisciplinary study of Latin America and its languages through teaching, scholarship, outreach, study abroad, and international exchanges. It administers bachelor’s and master’s degree programs and graduate certificate programs in Central American and Mexican Studies and Brazilian Studies. Areas of particular strength are Central America, Mexico, Brazil, and Paraguay. Languages include Spanish, Portuguese, Kachiqet Maya, Quechua, and Haitian Creole. The center coordinates Latin American events on campus including lectures, films, exhibits, and theatrical performances. Exchanges and study abroad programs have been developed in Costa Rica, Mexico, Peru, and Brazil. The center offers outreach to schools, businesses, and the community and serves as a resource for the state, the region, and the nation.

Center for Russian, East European, and Eurasian Studies
Director: Edith Clowes
Bailey Hall, 1440 Jayhawk Blvd., Room 320
Lawrence, KS 66045-7545
www.crees.ku.edu, (785) 864-4236, fax: (785) 864-3800

The Center for Russian, East European, and Eurasian Studies is one of 16 comprehensive National Resource Centers funded by Title VI of the U.S. Higher Education Act for the study of Russia, Ukraine, Central Asia, East Central Europe, and the Balkans. It promotes language and area study in an integrated, interdisciplinary framework and in traditional academic disciplines. Languages taught include Russian, Ukrainian, Polish, Czech, Bosnian/Croatian/Serbian, Slovenian, Turkish, and Yiddish. The center administers B.A. co-major and M.A. degree programs in Russian, East European, and Eurasian studies and supports study abroad in Russia, Poland, Croatia, and Ukraine. Each year, visiting scholars from the region join KU’s 50 area faculty members in exchange, instructional, and research activities. The center also coordinates and sponsors conferences, lectures, theatre, and outreach activities of interest to KU students, faculty members, K-12 teachers, and the community. It serves as a resource to the state, the Great Plains, and the nation.
**MAJORS**

**African and African-American Studies**

Chair: Peter Ukpokodu, afs@ku.edu  
Graduate Adviser: Shawn Alexander  
Bailey Hall, 1440 Jayhawk Blvd., Room 9  
Lawrence, KS 66045-7545  
www.ku.edu/~afs, (785) 864-3054, fax: (785) 864-5330  
Professors: Mack, Myers, Ukpokodu  
Professors Emeriti: Drayton, Freeman  
Associate Professors: Bolden, Jelks, MacGonagle, Omar, Pennington  
Associate Professor Emeritus: Gordon  
Assistant Professors: Alexander, Hannoum, Salami

The Department of African and African-American Studies focuses on the study of Africa, African American, and the Afro-Caribbean. The department offers an M.A. in African and African-American studies and an African studies certificate program. Graduate courses are also available to students working toward interdisciplinary advanced degrees in participating disciplines or other departments and programs. Fifty faculty members affiliated with the department facilitate the offering of interdisciplinary graduate degrees in the arts, humanities, and social sciences.

The M.A. program produces scholars, teachers, and other professionals who have the intellectual and scholarly capacity to make ongoing contributions to the world in which they live. The graduate program encourages students to adopt a critical perspective, requiring an integrative approach to the study of the arts, humanities, and social sciences that does not abstract them from their political and social contexts but rather places them within the social and political contexts out of which they have developed. Students must focus not only on the experiences of Africans and African Americans, but also on the connections of those experiences to the cultural, political, and economic forces of the larger world to which Africans and African Americans have been and are inextricably linked. The department accommodates a variety of individual academic objectives under the umbrella of Africa and its diaspora, but students must demonstrate academic coherence in their plans.

**Admission**

Admission is based primarily on the applicant’s undergraduate and/or graduate record, statement of academic objectives or purpose, and academic references from individuals familiar with the applicant’s work. Completion of a bachelor’s degree is required, preferably in the arts, social sciences, or humanities with a demonstrated interest in African or African-American studies. Prospective students must take the Graduate Record Examination and have the results forwarded to the Graduate Application Processing Center.

Submit your application online at www.graduate.ku.edu. Send all other requested application materials to:

The University of Kansas  
Department of African and African-American Studies,  
Graduate Applications  
Bailey Hall, 1440 Jayhawk Blvd., Room 9  
Lawrence, KS 66045-7545

**M.A. Degree Requirements**

The African and African-American studies M.A. program takes two years of full-time study. Nine upper-division and graduate courses, in addition to a thesis or additional course work for a nonthesis option, are required for the degree—a total of 33 credit hours. There are four core courses, AAAS 801 Introduction to Africana Studies I: African-American; AAAS 802 Introduction to Africana Studies II: African; AAAS 803 Research Methods in Africana Studies; and AAAS 804 Seminar in Africana Studies. Students then choose five courses (15 credit hours) in their areas of specialization. Students may take 6 credit hours outside the department in related course offerings including among others American studies; anthropology; art; communication studies; economics; education; English; film and media studies; geography; history; philosophy; political science; religion; sociology; theatre; and women, gender, and sexuality studies.

**Research Skills**

1. A master’s degree in African and African-American studies with an African studies concentration requires proficiency in an African language. Proficiency may be fulfilled by one of the following:
   
   (a) Completing two years of college-level study at KU, at an equivalent institution, or through an intensive course. Language courses offered on a regular basis at KU that count toward proficiency are Amharic, Arabic, Hausa, Kikuyu, and Wolof. Proficiency also may be fulfilled by studying, on a self-instructional basis, any one of a number of African languages for which the Kansas African Studies Center has pedagogical materials and proficiency-testing capabilities.
   
   (b) The equivalent of two years of an approved language.
   
   (c) Proof that the student is a native speaker of an African language.

2. A master’s degree in African and African-American studies with an African-American Studies concentration requires that a student

   (a) Fulfill the African language requirement outlined above, or
   
   (b) Fulfill a non-African language requirement employing standards comparable to those governing the African language requirement outlined above, or
   
   (c) Demonstrate competence in a research skill relevant to the student’s specific concentration in African-American studies. Competence in a research skill is certified by the department’s graduate studies director.

In consultation with their advisers and to the satisfaction of the department, students must demonstrate that their choice of a language or research skill is appropriate for their specific research interest in the field of African-American studies.

**Handbook for Graduate Students**

Detailed information, application deadlines, and general information may be found in *The M.A. Program in AAAS*, available on request from the department.

**African and African-American Studies Courses**

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<th>Credit Hours</th>
</tr>
</thead>
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<td>Regional History: ___</td>
<td>(3).</td>
</tr>
<tr>
<td>AAAS 502</td>
<td>Directed Language Study: ___</td>
<td>(5).</td>
</tr>
<tr>
<td>AAAS 503</td>
<td>Directed Language Study: ___</td>
<td>(3).</td>
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<tr>
<td>AAAS 504</td>
<td>Directed Language Study I: ___</td>
<td>(3).</td>
</tr>
<tr>
<td>AAAS 505</td>
<td>Directed Language Study II: ___</td>
<td>(3).</td>
</tr>
<tr>
<td>AAAS 510</td>
<td>Comparative Racial and Ethnic Relations</td>
<td>(3). NW</td>
</tr>
<tr>
<td>AAAS 511</td>
<td>The Civil Rights Movement</td>
<td>(3).</td>
</tr>
<tr>
<td>AAAS 512</td>
<td>African and Western Cosmologies</td>
<td>(3).</td>
</tr>
<tr>
<td>AAAS 520</td>
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<td>AAAS 525</td>
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<td>African Film and Video</td>
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<td>Liberation in Southern Africa</td>
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<td>Gender, Culture, and Migration</td>
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<td>Kongo Trans-Atlantic</td>
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AAAS 754 Slavery in the New World (3).
AAAS 758 Central African Art (3). NW
AAAS 584 Black American Literature (3).
AAAS 585 Race and the American Theatre (3).
AAAS 590 The Rise and Fall of Apartheid (3).
AAAS 598 Sexuality and Gender in African History (3). NW
AAAS 600 Politics in Africa (3). NW
AAAS 602 U.S. Policy - Post Colonial World (3).
AAAS 611 History of the Black Power Movement (3).
AAAS 630 The Life and Intellectual Thought of W.E.B. Du Bois (3).
AAAS 650 Sufism (3). NW
AAAS 657 Gender in Islam and Society (3). NW
AAAS 662 Gender and Politics in Africa (3).
AAAS 663 The Anthropology of Islam (3). NW
AAAS 676 West African Art (3). NW
AAAS 677 African Design (3). NW
AAAS 679 African Expressive Culture: _____ (3). NW
AAAS 680 Introduction to Modern Africa (3).
AAAS 690 Investigation and Conference (1-3).
AAAS 695 Honors Project in: _____ (3).
AAAS 700 Africa in World Politics (3). A 20th-century and 21st-century study of the continental and international forces that precipitated the rise of Africa, its major African issues in international relations, and Africans impact on the modern world. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 701 Politics in Africa (3). A survey of politics in Africa, focused on the countries of sub-Saharan or Black Africa. The course includes a historical discussion of precolonial Africa, colonization and the creation of contemporary states, countries of sub-Saharan or Black Africa. The course includes a historical discussion of precolonial Africa, colonization and the creation of contemporary states, and the politics of independence, before examining contemporary political systems and the forces influencing patterns of politics on the continent. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 715 Seminar in African Art (3). A concentrated study of a special topic related to African Art studies. Different topics are offered in different semesters. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. (Same as HA 715.) Pre-requisite: Nine hours of Art History and/or consent of instructor. LEC
AAAS 716 Women in Islam (3). Addresses the widely held stereotype of Muslim women as pawns in a patriarchal socio-religious context. Investigating the Muslim cultures of certain regions, the course will examine the manner in which indigenous culture was influenced by the introduction of Islam and the historical impact of Islam on women's social roles. Focusing mainly on contemporary social change, the course will consider how socio-political change affects religious roles where religion is integrally involved in daily life. To what extent is individualism valued, and how are the pressures of late 20th-century and early 21st-century life mediated? The course will draw on texts from history, sociology, and literature. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 720 Intercultural Communication: The Afro-American (3). An examination of the barriers to effective communication between Black Americans and non-Black Americans. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 723 Special Topics in African Studies: _____ (3). Seminar in an area of current interest in African and African-American Studies. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. SEM
AAAS 730 Black Leadership (3). The course focuses on the concept of leadership and on Black leadership in the United States. An in-depth analysis of selected case studies of Black leaders both historical and contemporary. Some attention will be given to the dispersion of Africans into the Americas and the leadership that emerged, conditioned both by environmental factors and the psychology engendered by the system of slavery. Selected successful Black leaders will be invited to visit the class from time to time. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 731 African Literature (3). Introduction to African Literature. Reading, analysis, and discussion of contemporary fiction, poetry, and drama from sub-Saharan Africa. Brief attention will be paid to historical development and to traditional literature. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 732 Francophone African Literature (3). This course is an introduction to 20th-century and modern Francophone African literature covering selected works by major authors from both sub-Saharan Africa and the Maghreb. Attention will be given primarily to the novel, although some poetry will also be read. Topics and themes include negritude, African identity in the wake of colonialism, Islam, and women's writing. Classes will be conducted in English. Students may read the texts in French or in translation. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 733 Islamic Literature (3). Contemporary literature that is set in the context of Muslim cultures provides for an examination of Muslim identity on its own terms. This course focuses on the literary examination of works by Muslim authors from Egypt, Sudan, Senegal, Guinea, Mali, Morocco, Nigeria, and Niger. From the perspective of both male and female authors, the issue of what it means to be a Muslim is considered through fictional accounts set in contemporary contexts. Some works will be read in translation from Arabic or French; others are written originally in English. Cultures considered in this course vary widely in their origins and customs, which allows for a focus on the one pervasive element they share in common: Islam as it shapes peoples lives. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 734 African Women Writers (3). This course focuses on African women's writing from all regions of the continent. Works included deal with a wide variety of issues relevant to African women, as well as universal issues of conceptions of gender roles, and the struggle to attain personal rights and freedom within traditional cultural frameworks. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 735 Muslim Women's Autobiography (3). This course examines the realities of Muslim women's experiences as conveyed in their own voices. Works are drawn from all over the world, from Africa and the Middle East to Europe and the U.S. and cover from the 19th-century to the present. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 740 The Afro-American Family: A Psychological Approach (3). The examination of the structure, values, and behavior patterns of the contemporary African-American family as influenced by African cultures and kinship systems and the institution of slavery in association with other factors. Social and psychological forces that have enhanced or blocked family survival, stability, and advancement will be explored. The orientation of Black family life will emphasize its strengths, weaknesses, adaptations, strong kinship bonds, and equilibrarian family roles. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 745 Arab Thought and Identity (3). The intention of this course is to present a comprehensive portrait and a deeper understanding of the Arab society and its cultural background. We will focus on the debate that is still raging about traditionalism versus modernity, and authenticity (assala) and specificity (Khususiyaa) versus westernization. Moreover, we will discuss the question of Arab identity which manifests itself through a sense of belonging and diversity of affiliations, and relies as well on shared culture and its variations, and shared place in history and common experiences. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 746 Islam (3). Islam and Muslim life (3). Islam and the prophet Muhammad, the Holy Koran, religious symbols and moral mandates, and historical developments. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 750 Popular Culture in the Muslim World (3). A study of pop songs, television programs, and other popular media that is set in different parts of the Muslim world, with attention to Muslims sense of humor, tragedy, aesthetics, and pertinent issues of the day. LEC
AAAS 760 Topics and Problems in African and African-American Studies (3). Individual investigation of special topics in African and African-American studies. May not be repeated for credit. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC
AAAS 774 Topics in Literature of Africa and the African Diaspora: _____ (3). An intensive study of the literatures of Africa and/or African diaspora (people of African descent dispersed around the world). This study will focus on the major characteristics of a particular period, genre, mode, and/or theme in literatures such as African, Caribbean, Afro-Brazilian, African American, African Canadian, Black British. Critical theories pertinent to writers and their work will be covered. Topics may include studies in drama, poetry, or the novel; migration narratives; literature of a particular era, such as the Harlem Renaissance, Negritude, or the Black Arts Movement; representations of gender, etc. As topics vary from semester to semester, the course may be repeated for credit. Additional advanced-level course work is
required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 778 The Black Woman (3). An interdisciplinary study of the role of Black women in our society, from the African background through the plantation experience to the present. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 801 Introduction to African Studies: African-American (3). An introduction to, and overview of, the historical, intellectual, and professional foundations of African-American Studies; a multidisciplinary examination of the key texts and issues in the field. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 802 Introduction to African Studies: African (3). An introduction to, and overview of, the historical, intellectual, and professional foundations of African Studies; a multidisciplinary examination of the key texts and issues in the field. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 803 Research Methods in African Studies (3). A multidisciplinary introduction to the range of research methods employed to examine African and African-American history, cultures, and societies. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 804 Seminar in African Studies (3). An interdisciplinary, comparative exploration of themes in African history, cultures, and societies. Students will be required to utilize the skills gained in AAAS 801 and AAAS 802 to design and implement a project that will be critically assessed in the seminar. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 811 The Civil Rights Movement in America (3). An examination of the events leading to and the activities of major Civil Rights organizations, Civil Rights legislation and its impact on American life, and conflicts between integrationist and separatist forces in politics, economics, education, culture, and race relations in the United States. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 812 The Black Power Movement (3). This course will examine the Black Power Movement in its many manifestations, beginning with a discussion of its political and cultural backgrounds: the transition from Civil Rights to Black Power in the Afro-American freedom movement of 1960’s; the impact on African Americans of African decolonization and the spread of anti-colonial and anti-imperialist movements throughout other parts of the globe. There will also be some examination of the Black Arts Movement and its influence on the Black Power Movement and vice versa. Therefore, some attention will also be paid to the music, literature, theater, and the graphic arts of the period, and the aesthetic and political critiques of these artistic forms. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 822 African and African-American Religion (3). Historical development, systematic ideas and rites of selected periods, cultural settings, and movements. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 827 Popular Culture in Africa (3). A critical examination of the distribution of elements of popular culture in contemporary Africa, focusing on the aesthetics of forms such as music, theatre, dress, street art, and popular literature genres, as well as the social values that the cultural patterned association and the societies that produce them. The approach will be based on a critical reconsideration of notions such as traditional versus modern, high versus popular, mass versus niche consumption. The course will examine the role of popular culture in the construction of identity and society in Africa, and will also consider the impact of globalization and cultural flows. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 830 The Life and Times of W.E.B. Du Bois (3). A critical examination of the life and thought of W.E.B. Du Bois, paramount black scholar and activist whose massive body of scholarly work spans the period from late 19th through the mid-20th centuries. Course covers the major works of Du Bois. Topics include Du Bois as sociologist, historian, propagandist, and creative writer; taking into account his often shifting views on art and culture, politics, leadership, civil rights and the color line, trade unionism, Pan-Africanism, socialism, internationalism, and, of course, double consciousness, among other issues. Moreover, the course will deal with Du Bois as an intellectual who interacted and corresponded with prominent figures of the African-American community and the international community, such as Booker T. Washington, Alexander Crummell, Anna Julia Cooper, Ida B. Wells-Barnett, Marcus Garvey, E. Franklin Frazier, Walter White and Thurgood Marshall. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 843 Language and Culture in Arabic-Speaking Communities (3). The course examines the links between language structure, patterns of use, language choice, and language attitudes in the diglossic and bi-lingual Arabic-speaking communities. It also explores language as a reflexor and creator of Arab culture (e.g. linguistic encoding of politeness, the Quranic text as the spoken and written word, the role of topography in Arabic rhetoric). The topics for discussion range from the micro-level language choice to the macro-level issues of language policies and planning within the domain of government and education across the Arab world. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 845 Unveiling the Veil (3). This course seeks to unveil a complex cultural practice that has been misconstrued by many scholars. It explores the versatility of the meaning of the veil. It examines the ways in which the veil has become a symbol of the meaning of the veil. It examines the ways in which the veil has become a symbol of privacy, cultural identity, religious assertion, resistance and liberation, besieging the religious symbol of constraint, backwardness, and sexual mystery. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 851 Environmental Issues in Africa (3). Acquaints students with the complexity of an environment vulnerable to socio-economic, political, and cultural forces. Topics may include deforestation, desert expansion, wildlife conservation, soil erosion, climate change, coral reef death, water resources development, mangrove preservation, and the environmental effects of war, industrialization, and urbanization. Class presentations and projects synthesize the perspectives of both human and physical geography. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 852 Classical Islamic Literature (3). An examination of major developments in classical Islamic literature in the Middle East and beyond, with attention to the poetic and prose works (in translation) that emerged from them. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 853 Geography of African Development (3). Acquaints students with the values and social parameters of African agricultural and pastoral practice. Topics include customary land rights, African perspectives on the natural world, gender issues in agriculture, and urbanization in Africa. The course contrasts African views with those of Western development practitioners and donor agencies. Case studies from different countries are used to highlight the continents regional differences. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 855 African Film and Video (3). A critical study of Africa and its peoples as depicted in films and videos. The aesthetic, economic, cultural, political, historical, and ideological aspects of African films and videos will be examined. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 860 Race, Gender, and Post-Colonial Discourses (3). An examination of the ways in which the concept of race, gender, and post-colonialism frame African literatures from the Caribbean, North America, and the continent itself. The course will also teach students in these discourses how to read and interpret literary texts in which they can be contextualized and evaluated, at the same time examining their impact in literary praxis and theory. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 874 Slavery in the New World (3). Slavery, slave culture, and the slave trade in the U.S., Latin America, and the Caribbean will be examined comparatively. Attention will also be given to African cultures, the effects of the slave trade on Africa, and the effects of African cultures on institutions in the New World. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 880 Introduction to Modern Africa (3). An interdisciplinary approach to cross-cultural understanding of Africas place in the modern world. Specific emphasis will be given to the role of Africa in world history, African cultures, modern African history, and problems of development and nation building in Africa. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 884 Black American Literature (3). A study of the literature written by Black Americans from the pre-Civil War period to the present. Emphasis upon specific historical periods in the development of Black literature as well as on a critical analysis of major autobiographical, poetic, and fictional works. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 885 Race and the American Theatre (3). The representation(s) of race in significant works of American theatre analyzed according to political ideologies, dramatic movements and thematic concerns of the theatre. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 890 The Rise and Fall of Apartheid (3). This course will deal with the fifty years of South African history during which apartheid came to be formulated, sustained, and perpetuated. The work focuses on the dismantlement by 1990. Reference will also be made to the transformation process since April 1994. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

African & African American Studies
American Studies

Chair: Cheryl Lester, chlester@ku.edu, (785) 864-2309
Graduate Director: Sherrie Tucker, SherrieTv@aol.com, (785) 864-2305
Bailey Hall, 1440 Jayhawk Blvd., Room 213
Lawrence, KS 66045-7545, www2.ku.edu/~amerst, (785) 864-4011

Professors: Katzman, Schofield
Professors Emeriti: Tuttle, Yetman
Associate Professors: Jels, Lester, Tucker
Assistant Professors: Chappell, Dorman, Flores, Golash-Boza, Hart


American studies is an interdisciplinary program offering graduate work on society and culture in the United States—past, present, and in global context. It accommodates a variety of individual academic objectives. All students are asked to define a concentration—a period or problem—and to draw on appropriate university resources relating to that area. Students must demonstrate coherence in their graduate work and be able to show relationships between their concentrations and the wider sociocultural system. To accomplish this, students must develop knowledge (including historical perspective) in the humanities and social sciences.

Admission

Admission is based primarily on the applicant’s undergraduate or graduate record or both, references from persons familiar with the applicant’s work, and a statement of academic objectives prepared by the applicant. Completion of a bachelor’s degree is required of all applicants. Students should have taken a substantial amount of work in American studies or in a related field (e.g., American history, literature, art, sociology, anthropology, economics, political science, psychology, journalism). Prospective students must take the Graduate Record Examination and have the results forwarded to the Graduate Application Processing Center.

Submit your application online at www.grad.ku.edu. Send all other requested application materials to:

The University of Kansas
American Studies Program, Graduate Applications
Bailey Hall, 1440 Jayhawk Blvd., Room 213
Lawrence, KS 66045-7545

M.A. Degree Requirements

Students must complete a minimum of 30 hours of course work, including 18 hours of required courses. Students in the nonthesis option take an additional 12 hours of course work that constitute a specialized interest area (e.g., race and ethnicity, gender, popular culture) and must pass a written examination. Students choosing the thesis option complete an additional 6 hours of course work, at least 6 hours of thesis research, and an oral examination on the thesis research.

M.U.P. and M.A. in American Studies

This joint degree combines in a two-and-one-half-year program the normal two-year M.U.P. degree offered through the School of Architecture, Design and Planning and the normal one-year M.A. degree in American studies offered through the College of Liberal Arts and Sciences. It is designed for students interested in careers in policy planning and research involving the arts, social planning, cultural activities and facilities, and historic preservation. For more information, consult the respective program chairs. See also Urban Planning in the School of Architecture, Design and Planning chapter of this catalog.

Ph.D. Degree Requirements

Beyond the master’s degree and in addition to general requirements, a Ph.D. candidate must complete a program of core and elective courses and demonstrate historical depth in the chosen emphasis. Candidates must select a concentration related to one of (or a combination of) several broad subject areas, such as race and ethnicity, gender, popular culture, religion, labor and work, political life, art, music, architecture, family life, Great Plains culture, urban life, or social and cultural theory. A minimum of 24 credit hours of course work and 18 credit hours of dissertation is required beyond the master’s degree.

Comprehensive Examination.

Candidates take the comprehensive examination after completing their doctoral course work and satisfying the research skills requirement. The comprehensive examination has written and oral components. The written examination takes the form of a paper that coherently defines the content and parameters of the student’s academic concentration, including a discussion of the state of the art in the broad area of scholarship in which the concentration falls; the major research and scholarly controversies in the area; the principal theoretical, conceptual, and methodological approaches informing it; and the direction the area is taking. After a student’s written examination paper has been accepted by his or her examining committee, she or he may take the oral comprehensive examination, which focuses upon, but is not limited to, the issues raised in the written examination paper.

Research Skills.

The department accepts reading knowledge in any two languages that would be of professional use to the student, or fluency (excellent reading and conversational abilities) in any one language of professional use to the student, or reading knowledge in one language and proficiency in a research skill, or proficiency in two research skills relevant to the graduate program (e.g., statistics or a computer language).

Dissertation.

An interdisciplinary dissertation is required. The department has established a detailed description of the procedures for completing a dissertation. The student’s dissertation committee is composed of at least three faculty members, who initially review and approve the student’s research proposal and direct the research to its completion.

Final Examination.

All students must pass a final oral defense of the dissertation.

AAAS 899 Sexuality & Gender in African History (3). An examination of the history of sexuality and gender in Africa focused on the 19th-century to the present. Major issues and methods in the historical scholarship on gender and sexuality will be covered. Topics of historical analysis include life histories, rites of passage, courtship, marriage, reproduction, education, masculinities, homosexuality, colonial control, and changing gender relations. Prior course work in African history is suggested. Additional advanced-level course work is required for students in this course beyond lower-level courses of the same name and/or description. LEC

AAAS 899 Thesis (1-6). Investigation and research of a topic for a master’s thesis. A maximum of 6 thesis hours may be counted toward the 33 hours required for the degree. THE

Haitian Courses

HAIT 700 Investigation and Conference (1-6). Supervised individual readings in selected areas of Haitian language, literature, and culture. Individual reports and conferences. Prerequisite: Consent of instructor. RSH

American Studies Program, Graduate Applications
Bailey Hall, 1440 Jayhawk Blvd., Room 213
Lawrence, KS 66045-7545.
American Studies | Anthropology

Handbook for Graduate Students

The department has prepared a handbook that summarizes procedures that a graduate student follows in working toward any one of the three graduate degrees. It contains a summary of regulations and departmental procedures and the rationale behind these regulations. The handbook is available online at www2.ku.edu/~amerst.

American Studies Courses

AMS 510 History of American Women—Colonial Times to 1870 (3).
AMS 511 History of American Women—1870 to Present (3).
AMS 512 History of Women and Work in Comparative Perspective (3).
AMS 515 American Women and World War II (3).
AMS 520 Topics in Latino Studies: _____ (3).
AMS 522 American Racial and Ethnic Relations (3).
AMS 529 Race and the American Theatre (3).
AMS 534 Comparative Racial and Ethnic Relations (3). NW
AMS 536 Ethnicity in the United States: _____ (3).
AMS 540 Culture, Space, and Power in Urban America (3).
AMS 550 Research Seminar in: _____ (3).
AMS 551 Research Project in American Studies (3).
AMS 552 Public Service in American Studies (3).
AMS 553 Honors in American Studies (3).
AMS 554 American Literature to 1900: _____ (3).
AMS 555 American Literature Since 1900: _____ (3).
AMS 556 Gender, Culture, and Migration (3).
AMS 576 Cultural Geography of the United States (3).
AMS 579 Geography of American Foodways (3).
AMS 580 American Art (3).
AMS 590 Transnational Asian Film (3).
AMS 629 Sociology of Sport (3).
AMS 650 Jazz and American Culture (3).
AMS 652 Jazz I, Roots to 1955 (3).
AMS 653 Jazz II, 1955–Present (3).
AMS 680 Jazz Autobiography (3).
AMS 682 Jazz Narratives in Novels and Films (3).
AMS 690 Black Cultural Studies (3).
AMS 694 Directed Readings (1-4).
AMS 696 Studies in: _____ (3).
AMS 737 Music in America (3). A survey of historical developments from the Pilgrims to the present. (Same as MUSC 759.) Prerequisite: One course in the field of music history and literature or consent of instructor. LEC
AMS 767 Gerontology Proseminar (3). A proseminar coordinated by the Gerontology Center. The proseminar explores essential areas of gerontology for researchers and practitioners, providing a multidisciplinary (psychology, biology, sociology, and communication) perspective on aging. The proseminar surveys contemporary basic and applied research, service programs, and policy and management issues in gerontology. (Same as ABSC 787, COMS 787, PSYC 787, and SOC 767.) (Formerly HDFL 787.) LEC
AMS 787 Field Work (1-12). Supervised field research in aspects of American civilization. Prerequisite: Consent of instructor. FLD
AMS 801 Introduction to American Studies (3). An introduction to the field of American Studies through an examination of some of the classic and innovative works, issues, debates, and controversies in the history and literature of American Studies. LEC
AMS 802 Theorizing America (3). Drawing from a broad range of perspectives (e.g., cultural theory, social theory, literary theory, etc.), this course will introduce students to current theoretical debates in American studies and the concepts that inform them. LEC
AMS 803 Research Methods in American Studies (3). An introduction to the range of interdisciplinary research methods in American studies. Emphasis will be placed on an examination of the assumptions, logics, and procedures involved in various approaches to understanding American society and culture. LEC
AMS 804 Research Seminar (3). An intensive application of theoretical and methodological issues to the development of specific substantive research problems. Students will be expected to design and implement a study that will be critically assessed in the seminar. LEC
AMS 805 American Pluralism: Race, Ethnicity, and Religion in American Life (3). Analysis of the dynamics of intercultural and intergroup relations in America with special emphasis on the examination of major conceptual perspectives that have characterized the study of race, ethnicity, and religion in American life. LEC
AMS 808 Studies in: _____ (3). Interdisciplinary study of different aspects of the American experiences in different centuries. LEC
AMS 835 Colloquium in the History of Gender (3). This colloquium will cover theoretical and topical readings on the history of manhood, womanhood, and gender systems. (Same as HIST 895 and WCSS 835.) LEC
AMS 836 Colloquium in United States Women’s History (3). This colloquium will cover theoretical and topical readings on the history of women in the United States from the pre-contact period to the present. It is designed to familiarize students with the most important and current historiography in the field. (Same as HIST 897 and WCSS 836.) LEC
AMS 837 Comparative Colloquium in Women’s History (3). This colloquium willapproach the history of women from a comparative perspective through theoretical and topical readings on women in at least two different cultures. (Same as HIST 897 and WCSS 837.) LEC
AMS 896 Examination Preparation (1-6). Directed and independent study in preparation for the M.A. examination. May be repeated. RSH
AMS 899 Thesis (1-6). Investigation of a topic for master’s thesis. Total enrollment in this course may not exceed six hours of credit. THE
AMS 900 Teaching Seminar (1-6). This seminar is designed to assist students in the preparation, presentation, and evaluation of teaching in American Studies. LEC
AMS 973 Seminar in United States Women’s History (3). This research seminar will focus on the history of women in the United States from the pre-contact period to the present. Students will research and write a paper using primary sources, and present those papers to the seminar for evaluation. (Same as HIST 973 and WCSS 873.) LEC
AMS 996 Examination Preparation (1-9). Directed and independent study in preparation for the doctoral comprehensive examinations. May be repeated. RSH
AMS 997 Directed Readings (1-4). Directed reading in an area of American culture in which there is no appropriate course in the offerings of the American Studies program or of the cooperating departments, but in which there is a member of the graduate faculty competent and willing to direct a program of study. RSH
AMS 998 Seminar in: _____ (3). Topics vary from semester to semester. Graduate students are consulted in selecting topics. LEC
AMS 999 Dissertation (1-12). THE

Anthropology

Chair: Jim Mielke, mielke@ku.edu
Graduate Adviser: Jack Hofman, hofman@ku.edu
Fraser Hall, 1415 Jayhawk Blvd., Room 622
Lawrence, KS 66045-7540
www2.ku.edu/~kuanth, (785) 864-4103, fax: (785) 864-5224
Professors: Crawford, Frayer, Hanson, Janzen, Mandel, Mielke, Moos, Stall
Professors Emeriti: Johnson, Montet-White, Smith, Squier, Yamamoto
Associate Professors: Dean, Gibson, Gray, Hofman, Hoopes, Radovanovic
Assistant Professors: Dwyer, Hannoum, Metz, Redd, Takeyama
The graduate program consists of 19 faculty members and about 70 students, giving a professor-student ratio of about one to four and allowing a great deal of direct interaction between faculty and students. The department awards M.A. and Ph.D. degrees and has successfully placed most of its Ph.D. graduates in professional positions.

The department offers graduate training in archaeology, biological anthropology, linguistic anthropology, and social/cultural anthropology. It has expertise in applied anthropology,

American Studies students concentrate on broad subject areas such as race and ethnicity, gender, popular culture, religion, labor and work, political life, art, music, architecture, family life, Great Plains culture, urban life, or social and cultural theory.

The Department of Anthropology offers graduate training in archaeology, biological anthropology, linguistic anthropology, and social/cultural anthropology.
anthropological genetics, molecular genetics, evolutionary studies, language contact and endangerment, medical anthropology, Native American linguistics, paleoanthropology, symbolic anthropology, visual anthropology, New World and European prehistory, and geoarchaeology. Geographic strengths include Asia, Europe, Latin America, Native North America, the Pacific, Sub-Saharan Africa, and contemporary United States. The department is closely associated with the Laboratory of Biological Anthropology and the Center for Archaeological Research.

Admission

The Graduate Record Examination is recommended but not required for admission. The graduate program begins at an advanced level. Preparation for it through completion of an undergraduate major in anthropology is encouraged but not required. Some undergraduate preparation in fields closely related to anthropology, such as biology, sociology, psychology, linguistics, economics, geography, or geology, is strongly recommended. Undergraduate courses in such subjects as biology, statistics, philosophy, genetics, computer science, and history are of considerable value to the graduate student in anthropology. Proficiency in a modern foreign language and in statistics is of special importance to candidates for graduate work in anthropology and should be acquired during the undergraduate years. All students entering the program with a bachelor’s degree must enroll in the M.A. program. Admission to the Ph.D. program is ordinarily contingent upon completion of the master’s degree in anthropology. A student with a master’s degree in anthropology from another institution may apply directly to the Ph.D. program.

Submit your application online at www.graduate.ku.edu.

Send all other requested application materials to:

The University of Kansas
Department of Anthropology
Fraser Hall, 1415 Jayhawk Blvd., Room 622
Lawrence, KS 66045-7540

M.A. Degree Requirements

The M.A. program is a general curriculum for students who wish to enter the Ph.D. program in anthropology or who plan to pursue graduate studies only to the M.A. level. Formal requirements for the M.A. include (1) completion of 30 credit hours of graduate work in anthropology and related disciplines, including ANTH 701, ANTH 702, ANTH 703, and ANTH 704; (2) completion of the subdiscipline requirements; (3) completion of the M.A. thesis; and (4) passing the final M.A. examination.

Ph.D. Degree Requirements

The Ph.D. in anthropology is awarded to candidates who have demonstrated specialized competence in one or more of the general fields and who have contributed to the body of knowledge and theory in the specialized field through independent, original research.

Research Skills. In the course of the graduate career, but before the comprehensive examinations, the Ph.D. aspirant must satisfy one of the following options:

1. Demonstrate a comprehensive reading and speaking knowledge of one foreign language relevant to the student’s research interests in which there exists a significant research literature in anthropology.
2. Demonstrate proficiency in the reading of two foreign languages relevant to the student’s research interests in which there exists significant research literature in anthropology.
3. Demonstrate proficiency in the reading of one foreign language relevant to the student’s research interests in which there exists a significant research literature in anthropology.
4. Demonstrate competence in two research skills relevant to the student’s special research requirements in anthropology, provided that the student
   (a) Has met the undergraduate foreign language proficiency requirement of the College of Liberal Arts and Sciences of the University as either an undergraduate or a graduate student or
   (b) Has met at another college or university a foreign language proficiency requirement that is accepted as fulfilling the requirement of the College of Liberal Arts and Sciences.

Research skills referred to in options 3 and 4 may be selected from those approved, or the student may propose to the committee a course of study by which he or she may acquire another research skill. Competence in a research skill is certified by a committee appointed by the department. Competence in a foreign language is tested and certified by authorized members of the appropriate department.

On completion of a Foreign Language or Other Research Skills requirement, the student should notify the graduate coordinator, who enters it in the student’s permanent record.

Residence Requirement. Two semesters, normally consecutive, or one semester and one summer session must be spent in residency study at KU.

Field Statements. Students must become thoroughly familiar with the literature pertinent to their specializations and doctoral research problems. The student who submits field statements is asserting that he or she has achieved competence in limited areas defined by the subdiscipline, as demonstrated by bibliographies and written treatments of the research problems in those areas. The comprehensive examinations are based on the areas specified in the field statements.

Written and Oral Comprehensive Examinations. The student’s doctoral committee devises and judges the written comprehensive examinations, which may be taken either together or at different times. If the committee is satisfied with the caliber of the student’s field statements and written examinations, it may schedule the oral comprehensive examination, providing all other requirements have been fulfilled.

Dissertation Proposal. From the beginning of doctoral study, the student should plan to conduct a doctoral dissertation project. This is an independent piece of research, usually requiring fieldwork, and leading to a dissertation that contributes to anthropological knowledge.

Defense of the Dissertation. When the dissertation is accepted by the dissertation committee, a final oral examination is held.

Handbook for Graduate Students

Detailed information, application deadlines, and general information may be found in The Graduate Program in Anthropology, available on request from the department.

■ Anthropology Courses

ANTH 500 Topics in Archaeology: _______ (3).
ANTH 501 Topics in Sociocultural Anthropology: _______ (3).
ANTH 502 Topics in Anthropological Linguistics: _______ (3).
ANTH 503 Topics in Biological Anthropology: _______ (3).
ANTH 504 North American Archaeology: _______ (3).
ANTH 505 Prehistory of Eastern North America: _______ (3).
ANTH 506 Ancient American Civilizations: Mesoamerica: _______ (3). NW
ANTH 507 The Ancient Maya: _______ (3).
ANTH 508 Ancient American Civilizations: The Central Andes: _______ (3). NW
ANTH 510 An Introduction to Southwestern Archaeology: _______ (3).
ANTH 512 Ethnohistory: _______ (3).
ANTH 514 The Near East in Prehistory: _______ (3).
ANTH 515 Topics in Old World Prehistory: _______ (3).
ANTH 516 Hunters and Gatherers: _______ (3).
ANTH 517 Geoaanthropology (3).
ANTH 518 Environment and Archaeology (3).
ANTH 519 Lithic Technology (3).
ANTH 520 Archaeological Ceramics (3).
ANTH 521 Zooarchaeology (3).
ANTH 522 Paleoenthobotany (3).
ANTH 523 Great Plains Archaeology (3).
ANTH 540 Demographic Anthropology (3).
ANTH 542 Biology of Human Nutrition (4).
ANTH 543 Anthropology of Food and Nutrition (3).
ANTH 544 Origins of Native Americans (3).
ANTH 545 Contemporary Health Issues in Africa (3).
ANTH 549 Human Paleontology: Fossil Apes to Australopithecus (3).
ANTH 550 Human Paleontology: Homo Erectus to Homo Sapiens (3).
ANTH 560 Introduction to Economic Anthropology (3).
ANTH 562Mexamrica (3).
ANTH 563 Cultural Diversity in the United States (3). SC
ANTH 564 The Peoples of Africa (3). NW
ANTH 565 Popular Images in Japanese Culture, Literatures, and Films (3). NW
ANTH 567 Japanese Ghosts and Demons (3). NW
ANTH 568 Kongo Trans-Atlantic (3).
ANTH 571 Violence, Aggression, and Terrorism in the Modern World (3-4).
ANTH 580 Feminism and Anthropology (3).
ANTH 582 Ethnobotany (3).
ANTH 583 Love, Sex, and Globalization (3).
ANTH 586 Visual Anthropology (3).
ANTH 595 The Colonial Experience (3). NW
ANTH 603 Shamanism Past and Present (3).
ANTH 605 Mortuary Practices in the Archaeological Record (3).
ANTH 619 Field Concepts and Methods in Geoaanthropology (3).
ANTH 648 Human Osteology (4).
ANTH 650 Human Reproduction: Biology and Behavior (3).
ANTH 652 Population Dynamics (3).
ANTH 661 Cultural Dynamics (3).
ANTH 663 The Anthropology of Islam (3).
ANTH 665 Women, Health, and Healing in Latin America (3).
ANTH 666 Anthropology of Religion (3).
ANTH 667 Primitive Mythology (3).
ANTH 670 Contemporary African Culture (3).
ANTH 671 The Culture of Consumption: (e.g., United States and Japan) (3).
ANTH 672 Meat and Drink in America (3).
ANTH 673 Neoliberalism and Globalization (3).
ANTH 674 Political Anthropology (3).
ANTH 675 Anthropology of Law (3).
ANTH 680 Culture and Human Biology (3).
ANTH 684 Anthropology and the Health Sciences (3).
ANTH 695 Cultural Ecology (3).
ANTH 696 Language, Culture, and Ethnicity in Prehistoric Eastern Europe (3).
ANTH 699 The Anthropology Museum (3).
ANTH 701 History of Anthropology (3). Development of the field of anthropology and its relations with intellectual history. Emphasis on method and theory in historical context. Required of all M.A.-level students in anthropology. Prerequisite: Consent of instructor or graduate standing. LEC
ANTH 702 Current Archaeology (3). An introduction to fundamental theoretical orientations and methodological approaches in world archaeology. Case studies illustrate data acquisition, dating methods, culture history, paleoenvironmental models, and culture processes. Required of all M.A.-level students in anthropology. Prerequisite: Consent of instructor or graduate standing. LEC
ANTH 703 Current Biological Anthropology (3). The fundamental issues, methods, and theories in contemporary biological anthropology. Required of all M.A.-level students in anthropology. Prerequisite: Consent of instructor or graduate standing. LEC
ANTH 704 Current Cultural Anthropology (3). The fundamental issues, methods, and theories in contemporary cultural anthropology and anthropological linguistics. Required of all M.A.-level students in anthropology. Prerequisite: Consent of instructor or graduate standing. LEC
ANTH 705 Technological Change: _____ (3). Studies in technological change through invention, evolution, and diffusion. Topic for semester to be announced. LEC
ANTH 710 History of American Archaeology (3). A survey of the development of method and theory in American archaeology, with emphasis on North America. Prerequisite: Graduate standing or consent of instructor. LEC
ANTH 715 Seminar in Plains Archaeology: _____ (2-4). Problems in the archaeology of the Great Plains region, with an emphasis on prehistoric developments. LEC
ANTH 718 Seminar in Latin American Archaeology: _____ (3). In-depth examination of specific problems and issues in the study of Precolombian societies of Mesoamerica, Central America, and South America. Topic for semester to be announced. Prerequisite: ANTH 506, ANTH 580, and/or consent of instructor. LEC
ANTH 720 Seminar in Old World Prehistory: _____ (2-4). Studies of prehistoric cultures and their natural environments. Topic for semester to be announced. Prerequisite: Graduate standing in anthropology or consent of instructor. LEC
ANTH 730 Linguistics in Anthropology (3). The study of language as it concerns anthropology. Emphasis in relationship, language taxonomy, semantics, and linguistic analysis as an ethnoanthropological tool. (Same as LING 730.) Prerequisite: Graduate standing. LEC
ANTH 740 Linguistic Data Processing (3). The tools and techniques necessary to analyze linguistic fieldwork data, including research design, recording and elicitation techniques, computational data processing and analysis, and field ethics. Techniques of research, field recording, and data analysis technology. Methods of phonetic transcription, grammatical annotation, and analysis of language context. Practice of techniques via short studies of at least one language. (Same as LING 740.) Prerequisite: LING 705 or permission of instructor. LEC
ANTH 741 Field Methods in Linguistic Description (3). The elicitation and analysis of phonological, grammatical, and discourse data from a language consultant. In-depth research on one language. Techniques of research design, methods of phonetic transcription, grammatical annotation, and analysis of language context. (Same as LING 741.) Prerequisite: LING 705 or permission of instructor. LEC
ANTH 747 North American Indian Languages (3). Introduction to the nature and distribution of North American Indian languages. Prerequisite: ANTH 306 or ANTH 430 or ANTH 730. LEC
ANTH 748 Language Contact (3). Theories and case studies of languages in contact. Areal and genetic linguistics, genesis of pidgins and creoles, multilingualism, social, political, economic, and geographic factors in language change. (Same as LING 748.) Prerequisite: A course in linguistics. LEC
ANTH 749 Linguistics and Ethnolinguistics of China and Central Asia: _____ (3). Selected topics in linguistics and linguistic anthropology focusing on dominant and/or minority languages of China, Central Asia, or a particular region of Central and Eastern Eurasia. Topics may include any subfield of linguistics, including language contact, typology, dialectology, and sociolinguistics. Topic for semester to be announced. (Same as LING 749.) Prerequisite: A course in linguistics. LEC
ANTH 750 Disease and Adaptation (3). The role of disease in human evolution, variation, and adaptation is examined. Topics include paleopathology, epidemics, and genetic/cultural adaptation to certain diseases. Graduate version of ANTH 450 with more advanced requirements. Prerequisite: Graduate standing or consent of instructor. LEC
ANTH 754 Biological Bases of Human Behavior (3). The role of behavioral genetics in normal behavior is examined in this seminar. There is special emphasis on the genetics of complex human behavior such as sensory perception, aggression, intelligence, proxemics, kinesics, and learning. Several abnormal conditions, such as schizophrenia, chromosomal aberrations, alcoholism, and brain dysfunction are discussed in terms of the genetic and environmental interactions. LEC
ANTH 756 Genetics of Isolates (3). The evolutionary effects of finite population size and reproductive isolation are discussed in this seminar. Stochastic processes, genetic distances, approaches to population structure, and measures of inbreeding and consanguinity. Prerequisite: ANTH 652 or consent of instructor. LEC
ANTH 759 Dental Anthropology (3). An intensive study of human teeth. Principles of eruption, growth, genetics, anatomy, pathologies, measurements, casting, and cultural changes in teeth will be presented. Prerequisite: Consent of instructor. LEC
ANTH 761 Introduction to Medical Anthropology (3). SC An introduction to the socio-cultural contexts and natural histories of health and disease. Exploring a survey of therapy systems in both Western and non-Western societies (e.g., Native American, African, Western allopathic medicine, etc.). This course should be of special interest to premedical students and majors in the allied health professions. Graduate version of ANTH 461 with more advanced requirements. Prerequisite: Graduate standing or consent of instructor. LEC

The Department of Anthropology has expertise in applied anthropology, anthropological genetics, molecular genetics, evolutionary studies, language contact and endangerment, medical anthropology, Native American linguistics, paleoanthropology, symbolic anthropology, visual anthropology, New World and European prehistory, and geoarchaeology.

KU’s Language Acquisition Studies Lab works with children in more than 100 school districts to increase understanding of young children's language development.
ANTH 762 Human Growth and Development (3). Consideration of comparative physical growth patterns throughout the human life cycle. Sex and population differences in skeletal, dental, and sexual maturation. Effect of genetic and environmental factors upon growth and maturation. Prerequisite: An introductory course in biological anthropology or consent of instructor. LEC

ANTH 764 Selected Topics in Human Paleontology: (3). Intensive, high-level survey and critique of the application of modern biological theory of evolution and taxonomy to the problems of primate and human evolution. Prerequisite: Consent of instructor. LEC

ANTH 766 Topics in Biological Anthropology: (3). Topic for semester to be announced. Students may repeat the course for different topics. Prerequisite: Consent of instructor. LEC

ANTH 769 Seminar in Primate Studies (3). Survey of field and laboratory investigations of the comparative anatomy and behavior of nonhuman primates. LEC

ANTH 770 Research Methods in Physical Anthropology (3). A practical course in the use of special laboratory techniques of biological anthropological research and methods of data presentation. Prerequisite: Consent of instructor. LAB

ANTH 775 Seminar in Cultural Anthropology: (3-3). Intensive consideration of special problems in cultural anthropology. Topic for semester to be announced. LEC

ANTH 778 Seminar in Applied Cultural Anthropology (3). Selected problems in applying anthropological theory, methods, and findings in programs of directed change. FLD

ANTH 780 Social Organization (3). Comparative analysis of the structure, development, and function of human social groups. Emphasis on kinship, legal, economic, and political institutions. Prerequisite: ANTH 564 or permission of instructor. LEC

ANTH 781 Symbolic Anthropology (3). An examination of anthropological approaches to religion, world view, and other symbol systems in simple and complex societies. Prerequisite: Graduate standing or consent of instructor. LEC

ANTH 783 Doing Ethnography (3). Ethnography is both process and product. The product, the representation of a culture (or selected aspects of a culture), is based on fieldwork, the common term for the ethnographic process. This course explores how ethnographers prepare for the field, do their fieldwork, then report it. LEC

ANTH 785 Topics in Ethnology: (3). Topic for semester to be announced. Usually the course will focus on selected problems in the social and cultural life of a people in a particular geographic region of the world. Coverage will include both the classical ethnological literature as well as special issues of current concern. Students may repeat the course for different topics. Prerequisite: Graduate standing or consent of instructor. LEC

ANTH 786 Ethnographic Documentary Production (3). This course combines classroom and fieldwork in applications of theories, ethics, and methods of visual representation. Students carry out team-based ethnographic fieldwork projects through which they learn about pre-production, video production, and nonlinear post-production of ethnographic video documentaries. Prerequisite: Successful completion of ANTH 564 or permission of instructor. LEC

ANTH 788 Symbolic Systems: (3). Anthropological approaches to the study of world view, religion, folklore, mythology, art, and other expressive behavior. Topic for the semester to be announced. Prerequisite: Graduate standing or consent of instructor. LEC

ANTH 789 Anthropology of Gender: Advanced Seminar in the Four Fields (3). This seminar is intended primarily for graduate students in anthropology or other disciplines that examine one or more of the subdisciplines of anthropology (archaeology, linguistic anthropology, biological anthropology, and sociocultural anthropology) and/or anthropological theories and methods. Undergraduates pursuing Honors or other senior research projects are also encouraged to participate. Students will receive training in the contemporary theories, research, and pedagogies informing the anthropology of gender. Class participants will explore how these materials intersect with their current thesis or research projects and develop syllabi specific to their subdiscipline. (Same as WCS 789.) Prerequisite: Permission of instructor. LEC

ANTH 794 Material Culture (3). The historical and cross-cultural study of artifacts as embodiments of technological, social, organizational, and ideological aspects of culture. LEC

ANTH 798 Anthropology Museum Apprenticeship (1-6). Provides directed, practical experience in research, collection care and management, public education, and exhibits, with emphasis to suit the particular requirements of each student. Limit of six hours of credit for the M.A. degree. (Same as AMS 799, BIOL 799, GEOL 799, MUSE 799.) FLD

ANTH 810 Seminar in Ethnolinguistics: (2-3). An advanced study of the relations between language and culture. Subject will vary each semester; students may repeat the course more than once. (Same as LING 810.) LEC

ANTH 811 Quantitative Archaeology (3). Instruction in statistical methods for analyzing archaeological data. Topics will include techniques for handling nominal, ordinal, and ratio-scale variables, the collection and presentation of quantitative information, and the use of computers. Prerequisite: Graduate standing and college-level algebra and/or consent of instructor. LEC

ANTH 846 Seminar in Physical Anthropology: (2-4). Subject matter of seminar to be announced for semester. LEC

ANTH 851 Data Analysis in Archaeology: (1-6). A two-semester course designed to provide graduate students with basic principles in the analysis of archaeological data. Course content will include an introduction to computerized, systematic, analytical procedures, application of multivariate statistics, and computer applications. Topic for semester to be announced. FLD

ANTH 853 Theory and Current Problems in Archaeology (3). Consideration of scientific methodology; basic assumptions of anthropological archaeology, relationship of archaeology and anthropology, and current theoretical and methodological trends in archaeology. LEC

ANTH 876 Advanced Medical Anthropology: (3-6). This course provides advanced training in selected aspects of medical anthropology; the topic for a particular semester will reflect the current interests of the instructor. It is expected that the course content will alternate between theoretical and applied emphases. May be repeated for a total of six hours credit. Prerequisite: ANTH 461 or consent of instructor. LEC

ANTH 880 Advanced Feminist Anthropology: (3-6). Intensive consideration of special problems in feminist anthropology. Topic for the semester to be announced. May be repeated for a total of six hours credit. (Same as WCS 880.) Prerequisite: Permission of instructor. LEC

ANTH 889 Summer Archaeological Field Work (1-8). Under the direction of a professional archaeologist, undergraduate and graduate students are taught proper procedures for the excavation and laboratory analysis of data from a prehistoric or historic archaeological site. Data gathered may be used for additional graduate research. Enrollment by application; limited to twenty students. A fee for subsistence costs will be charged. FLD

ANTH 890 Training in Archaeological Field Work (1-6). Graduate students are taught techniques of archaeological field work, including survey and excavation, as well as laboratory procedures, including artifact classification and curation. FLD

ANTH 896 Graduate Research (1-9). Individual investigation of special problems in anthropology. Limit of six hours credit for the M.A. degree. RSH

ANTH 899 Master’s Thesis (1-12). Limit of six hours credit for the M.A. degree. THE

ANTH 990 seminar in Archaeological Research (1-9). Individual investigation of special problems in anthropology. RSH

ANTH 999 Doctoral Dissertation (1-12). THE

Applied Behavioral Science

The KU Program in Human Development and Family Life Chair: Edward K. Morris, abc@ku.edu Graduate Director: Gregory J. Madden, Dole Human Development Center, 1000 Sunnyside Ave., Room 4001 Lawrence, KS 66045-7561 www.abc@ku.edu, (785) 864-4840, fax: (785) 864-5202 Professors: Fawcett, Greenwood, Miller, Morris, Roberts, Semb, Sheldon, Sherman, Vernberg, Warren, White Associate Professors: Jackson, Madden, Steele Assistant Professors: Biggs, Dozier, Neidert, Watson-Thompson The department’s graduate program trains scientist-practitioners and researchers in the discovery and production, translation and application, and communication of knowledge in the behavioral sciences for understanding and solving problems of societal importance. For this, the department offers a Master of Arts in applied behavioral science and a Doctor of Philosophy in behavioral psychology. In both degree programs, the department requires (1) a sequence of courses that integrates the basic principles of behavior, experimental methods and research design, and conceptual foundations with (2) training in basic, applied, and intervention research. Among the areas of application are early childhood, education, developmental disabilities, adolescence, family enhancement, independent living, physical disabilities, and health promotion and community development. Other areas are described in the graduate application materials available from the department and on the Web site. Since its inception, the department has received notable grant funding for its research and training. In 2000, it received an award for Enduring Programmatic Contributions by the Society for the Advancement of Behavior Analysis.

Admission

Applicants seeking admission to the master’s or doctoral program should contact the department for application forms, as well as for materials beyond those described here. Applications are submitted to the Graduate Application Processing Center, which records and forwards them to the department. Applicants submit a completed application form and one official transcript of all undergraduate and any graduate course work. They also may submit copies of relevant scholarly or professional work, published or unpublished. Reports of Graduate Record Examination scores are encouraged but not required.
Ph.D. in Behavioral Psychology

Degree Requirements

The doctoral program trains highly competent researchers in applied behavioral science (e.g., applied behavior analysis, applied psychology). Students are taught to discover and produce, translate and apply, and communicate knowledge in the behavioral sciences for understanding and solving problems of societal importance. The curriculum requires a sequence of instruction that integrates (1) courses in the basic principles of behavior, experimental methods and research design, and conceptual foundations with (2) training in basic, applied, and intervention research (e.g., assessment, analysis, intervention, evaluation).

The doctoral training program follows a junior-colleague model. Students work closely with their advisers and join them in every aspect of professional development. This includes designing and conducting research, preparing manuscripts for presentation and publication, and presenting and publishing those manuscripts. Students typically work with one adviser, but they may work with other faculty members or have co-advisers. If the student’s or adviser’s interests change over the course of training, students are free to seek another adviser.

Course Requirements. The doctoral degree program requires students to take one course in eight content areas, along with two practicum courses. The areas and the practicum courses are:

1. Principles of Behavior I (3). The science of behavior (observation, experimentation, laboratory methods, basic behavioral principles (e.g., reinforcement, stimulus control), and their applications (e.g., early childhood, disabilities).
2. Research Methods I (3). Strategies and tactics of scientific research (objectivity, empiricism), the logic of experimentation (validity, reliability), measurement and direct observation, and experimental designs for single-subject and time-series analyses.
3. Conceptual Foundations I (3). The history and philosophy of behavioral science, contemporary advances in basic research for application, the analysis of everyday conduct (e.g., cognition, emotion), and current issues in the discipline and profession (e.g., relations between basic and applied research).
4. Applied Behavior Analysis I (3). Advanced treatment of the basic principles (behavioral choice stimulus equivalence) or empirical research in selected content domains (behavioral development, verbal behavior) or (b) the historical, comparative, and contemporary foundations of behavior science.
5. Research Methods II (3). Advanced treatment of the tactics and strategies of basic, applied, and intervention research (e.g., measurement, design), with an emphasis on conducting research in applied settings (e.g., community, school, organizations).
6. Research Methods III (1-3). An overview of professional issues in basic and applied research (conscientiousness, ethics, professional communication (authorship, plagiarism, publications, presentations), and professional development (vita preparation, job search strategies).
7. Research or Intervention Practicum I and II (6). Two supervised practicum courses in (a) basic or applied research or (b) behavioral interventions.

In addition, students must present the results of their research orally at a preseminar meeting before defending the master’s thesis and once again before defending the dissertation.

Master’s Thesis. Students complete an empirically based master’s thesis and pass an oral examination on it. With an adviser’s approval, empirically based theses from other programs may meet this requirement.

Research Skill. Doctoral students must demonstrate proficiency in a Foreign Language or Other Research Skill (FLORS) independent of, but consistent with and contributing to, their research programs. In the department, this may be met by (1) demonstrating proficiency in productive and receptive spoken language other than English or in sign language; (2) demonstrating reading proficiency in two languages other than English; (3) demonstrating competence in both computer programming and computer applications; (4) completing three thematically related courses beyond those required to satisfy the ABS doctoral requirements (e.g., research methods, quantitative methods, epidemiology, etc.).
health psychology, law, linguistics, rehabilitation, public health); (5) at least two first-author publications in peer-reviewed journals other than those used to fulfill written comprehensive requirements; or (6) at least three first-author scholarly presentations at professional meetings, no more than one of which may be a poster (the work must have been entirely completed at KU).

Teaching Requirement. Graduate students participate in the training and supervision of undergraduates. The requirement may be met by serving as a half-time teaching assistant for one semester or a quarter-time assistant for two semesters, in both cases assuming proportionate responsibility for class organization, teaching, grading, and office hours under a faculty member’s supervision. Students satisfy this requirement by working as paid graduate teaching assistants or by enrolling for 3 hours (.25 GTA) or 6 hours (.50 GTA) of credit in ABSC 941 Teaching and Conference.

Comprehensive Examination. Students begin work on the requirements of the comprehensive examination after fulfilling the research skill requirements. The examination has four components:

1. Editorial Critiques. Students write three editorial reviews of published or unpublished journal articles, all of them empirical. The articles cover a range of topics and experimental designs. The first two are graded pass-fail by the student’s advisor; the third must be passed by two other faculty members.

2. Professional Writing Requirement. Students write three papers on topics in behavioral science that are relevant to their research and approved by their advisors. The papers must include critical reviews of the relevant basic, applied, or conceptual literatures. The papers are graded blindly by three faculty members. Alternatively, students may submit a sole- or first-author article, published or in-press, in a professional, peer-refereed journal for any of these papers. The articles may be reports of basic, applied, or intervention research; observational, empirical, or descriptive studies; critical reviews of the literature; or analyses of the field’s research methods, principles, concepts, or theories. Published or in-press chapters and in-submission grant proposals may be submitted as well, but the following publications are excluded: abstracts, book notes, commentaries, communications, editorials, letters to the editor, and technical notes. Although some portion of the manuscripts or research may have been completed before students entered the program, the articles must be completed under the supervision of the student’s advisor as part of the department’s comprehensive examination. The journal articles, chapters, and proposals must be at least six manuscript pages long. A first-author publication or proposal must be accompanied by a letter from the student’s advisor stating that it meets the standards of the American Psychological Association for first authorship (i.e., primary responsibility for conceptualizing the project and preparing the manuscript; see the 2001 APA Publication Manual, pp. 6-7, 348-355). For in-press publications, students submit a letter confirming its final acceptance from the journal or book editor; for grant proposals, students submit a notice confirming its receipt from the granting agency. See the department’s Graduate Handbook for details.

3. Review Paper. Students write an extended, integrated, and critical review of a basic, applied, or conceptual literature relevant to applied behavioral science in preparation for an oral examination over it.

4. Oral Examination. Upon successful completion of the three editorial critiques and two of the three professional writing requirements, students take an oral examination over the review paper.

Dissertation. In consultation with the adviser, the student proposes an empirically based dissertation and a dissertation committee. All four components of the comprehensive examination must be passed before the oral defense of the dissertation may be scheduled. The written dissertation must be orally defended. Any interested member of the College’s Graduate Faculty may attend.

Behavioral Psychology and Community Health Promotion: Joint Ph.D./M.P.H. Degree
The department offers a joint Ph.D./M.P.H. degree in collaboration with the Master of Public Health program in the Department of Preventive Medicine and Public Health at KU Medical Center. The degree incorporates efficiencies in the elective and research requirements of both departments. This is the first degree in the nation to combine an M.P.H. with the strengths of advanced study in applied behavioral science. Faculty and student research teams address issues in community health and development, child and youth health and development, disabilities and independent living, and healthy aging. Separate admission is required to both the Ph.D. program of the Department of Applied Behavioral Science and M.P.H. program of the Department of Preventive Medicine and Public Health. For information, see www.absc.ku.edu/graduate/joint_program.shtml.

Clinical Child Psychology Program
For information on this degree, see Clinical Child Psychology in this chapter of the catalog.

Psychology Licensure
The department’s doctoral program in behavioral psychology does not satisfy requirements for licensure in psychology. Students wishing to meet these requirements should, with their advisers, consult the Association of State and Provincial Psychology Boards for state and province requirements, www.asppb.org. In developing a curriculum that fulfills these requirements, students should consider carefully whether the required courses and clinical experiences for state and province licensure are offered by the department and university and are open to them.

Affiliated Research and Training Programs
For information about the Schiefelbusch Institute for Life Span Studies, Juniper Gardens Children’s Project, the Research and Training Center for Independent Living, the KU Work Group for Health Promotion and Community Development, and the Kansas Intellectual and Developmental Disabilities Research Center, see www.lsi.ku.edu.

Applied Behavioral Science Courses
- ABSC 509 Contemporary Behavioral Science: Historical, Conceptual, and Comparative Foundations (3).
- ABSC 535 Developmental Psychopathology (3).
- ABSC 542 Applied Gerontology (3).
- ABSC 555 Issues in Administering Early Childhood Services (2).
- ABSC 560 The Juvenile Justice System: A Behavioral and Legal Perspective (3).
- ABSC 565 Applied Developmental Psychology (3).
- ABSC 599 Honors and Thesis in Applied Behavioral Science (1-5).
- ABSC 606 Special Projects in the Community (1-10).
- ABSC 620 Drug Abuse: From Basic Research to Public Policy (3).
- ABSC 626 Psychology of Adolescence (3).
- ABSC 632 Advanced Child Behavior and Development (3).
- ABSC 671 Applied Behavior Analysis (3).
- ABSC 672 Applied Behavior Analysis, Honors (3).
- ABSC 675 Practicum in Infant-Toddler Care and Early Intervention I (3-5).
- ABSC 676 Practicum in Infant-Toddler Care and Early Intervention II (3-5).
- ABSC 677 Practicum in Preschool Education and Intervention I (3-5).
- ABSC 678 Practicum in Preschool Education and Intervention II (3-5).
- ABSC 679 Practicum in Behavior Analysis Research in Early Childhood Education (1-6).
- ABSC 680 Practicum in Advanced Laboratory in the Development of Behavioral Treatments for Children with Autism (1-6).
- ABSC 685 Practicum in Community-Based Residential or Day Treatment Programs for Disabled Adults (3-6).
- ABSC 687 Practicum in Behavioral Gerontology (1-6).

The Schiefelbusch Institute for Life Span Studies’ 13 centers and Peruvian affiliate have more than 140 programs and projects active at any one time in Kansas as well as other states and Peru. Many projects directly serve individuals, families, and communities and are located in underserved Kansas City neighborhoods and rural Kansas counties.
ABSC 690 Practicum in Community Health and Development (1-6).
ABSC 691 Practicum in Community Health and Development, Honors (1-6).
ABSC 692 Practicum in Basic Research (3).
ABSC 693 Practicum in Historical and Conceptual Foundations (3-6).
ABSC 694 Practicum in Juvenile Problems (3-6).
ABSC 695 Special Practicum in: (3-6).
ABSC 696 Special Practicum in, Honors: (3-6).
ABSC 698 Special Research Practicum in: (3-6).
ABSC 699 Special Research Practicum in, Honors: (3-6).

ABSC 701 Parenting in Modern Society (3). The theoretical study of parenting and parent-child relationships, techniques for analyzing common parenting problems, design and appropriate interventions, fostering effective communication skills, understanding issues of diversity, and promoting parent education programs are some of the issues addressed in this course. Professional collaboration and support of families and children are emphasized throughout. Students develop analytical skills through reading, discussion, and application of theoretical and empirical research. (Formerly HDFL 701.) Prerequisite: ABSC/HDFL 160 or equivalent knowledge of child development or child psychology. LEC

ABSC 705 Pediatric Psychology (3). Discussion of behavior problems commonly encountered in the pediatric population, including reviews of data-based methodologies for remediation. Topics include general child rearing skills, bedtime problems, preschooler behavior problems and selection of children's play materials. (Formerly behavior in community settings, child abuse, psychotropic drugs for children, adolescent behavior problems and selection of children's play materials. (Formerly ABSC 705.) Prerequisite: ABSC/HDFL 160 or equivalent knowledge of child development or child psychology. LEC

ABSC 704 Research Practicum in Clinical Child Psychology (3). This course provides students in the Clinical Child Psychology program with the opportunity to enhance and consolidate their research activities by fulfilling one of the elective cluster course requirements. This practicum involves a contract with a research adviser and the program director. The contract includes definable products and dates for completion to prepare research for submission for publication, develop a grant proposal, or conduct additional research project independent of other requirements in the program. The course is not to be taken as an overload, but to be a part of a full-time course schedule. May be repeated. (Same as PSYC 704.) (Formerly HDFL 704.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. LEC

ABSC 706 Special Topics in Clinical Child Psychology (3). A course offering detailed discussion of the literature and research methods of a special topic within clinical child and pediatric psychology. Topic and instructor may change by semester and will be announced in the Schedule of Classes. May be repeated. (Same as PSYC 706.) (Formerly HDFL 706.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. LEC

ABSC 709 Biology and Behavior (3). A course on the role of physiology and anatomy in behavior, with an emphasis on their participation in the basic behavioral processes and in atypical and behavioral development. The course also addresses issues in measurement and current research. (Formerly HDFL 709). Prerequisite: ABSC/HDFL 796; ABSC/HDFL 798 recommended. LEC

ABSC 710 Community Health and Development (3). This course extends knowledge and skills for addressing issues in community health and development, prevention of violence. Students learn core competencies such as analyzing community problems and goals, strategic planning, intervention, and evaluation, and then apply these skills to issues that matter to them and to the communities they serve. (Formerly HDFL 710.) (Same as GINS 871.) LEC

ABSC 713 Experimental Problems in Community Settings (3-5). Research in the experimental design and analysis of community settings. No more than 10 hours total. (Formerly HDFL 716.) Prerequisite: Instructor permission. LEC

ABSC 719 Experimental Field Work in Community Settings (1-5). Instruction in the methods and techniques of the experimental design and analysis of community settings through supervised participation in established research programs. Emphasizes the techniques of gathering original experimental data. No more than 10 hours total. (Formerly HDFL 719.) Prerequisite: Instructor permission. LEC

ABSC 721 Biological Bases of Mental Retardation (4). This course deals with the biological substrates of mental retardation. Retardation is classified as a medical syndrome, rather than by behavioral patterns, but behavioral peculiarities are addressed where relevant. Attention is directed to both genetic causes such as the chromosomal anomalies (e.g., Mongolism) and molecular and metabolic errors (e.g., phenylketonuria), as well as to the environmentally produced retardation by nutritional deficiency, prenatal rubella, and brain trauma. (Formerly HDFL 721.) Prerequisite: One course in biology or equivalent. LEC

ABSC 723 Adolescent Adjustment (3). An overview of adolescence with primary emphasis on various adjustment difficulties and respective therapeutic approaches. Content to provide perspectives on relevant practice, research, theory, and contemporary social forces. (Formerly HDFL 723.) Prerequisite: Instructor permission. LEC

ABSC 725 Research Methods and Application (3). Surveys research methods used to identify, describe, understand, and intervene on socially important problems occurring across the life span (e.g., early childhood, adolescence, elders) and in varied settings (homes, classrooms, group-care facilities, and communities). Discusses research methods and concepts (e.g., prediction, control, reliability, validity) within scientific, applied, and behavioral research. Emphasizes research and practical applications regarding descriptive and experimental methods, direct and indirect measurement, graphic and statistical analysis, and single-subject and group experimental designs. Emphasizes the evaluation and social responsible research. Practicum opportunities to read secondary and primary sources, develop research questions, write and present research proposals. (Formerly HDFL 725.) Prerequisite: Instructor permission. LEC

ABSC 730 Developmental Neurobiology (3). This course consists of lectures and discussion sessions on topics that describe the structural and functional maturation of the nervous system. The areas covered deal with the morphological, physiological, and biochemical changes in the developing central nervous system of vertebrates (including human infants), and with the interaction of the external environment with some of these maturational processes. Prerequisite: Introductory human development, psychology, or biology course. LEC

ABSC 735 Within Subjects Research Methodology and Direct Observation (3). A graduate level introduction to the logic of experimentation, direct observation strategies, and research conducted using individual (e.g., single subject) and time series experimental designs. An ABA-accredited and BACB® pre-approved course. (Formerly HDFL 735.) Prerequisite: Graduate standing in applied behavioral science or instructor permission. LEC

ABSC 742 Research in Gerontology (3-5). Supervised readings in topical areas of gerontology. A program of study, conferences, and reports are developed by the instructor and student. (Formerly HDFL 741.) Prerequisite: Instructor permission. LEC

ABSC 742 Research in Gerontology (1-10). Original investigations of some unsolved problems relating to adult development and aging. (Formerly HDFL 742.) Prerequisite: Graduate standing or instructor permission. RSH

ABSC 756 Philosophical Bases of Early Childhood Education (3). Historical influences and current theoretical models of early childhood education are addressed through a survey and analysis of the literature. Not open to students who have completed ABSC 356. (Formerly HDFL 756.) Prerequisite: ABSC/HDFL 160 or equivalent knowledge of child development or child psychology. LEC

ABSC 765 Evaluating and Disseminating Scientific Material 1 (1-3). Intensive training in the evaluation and production of scientific critiques and reviews of current issues in the analysis of behavior, as disseminated through the media. May be repeated. (Formerly HDFL 765.) Prerequisite: Instructor permission. LEC

ABSC 778 Gerontology Proseminar (3). A proseminar coordinated by the Gerontology Center. The proseminar explores essential areas of gerontology for researchers and practitioners, providing a multidisciplinary (e.g., psychology, biology, sociology, communication) perspective on aging. The proseminar surveys contemporary basic and applied research, service programs, and policy and management issues in gerontology. (Same as AMS 767, COMS 787, PSYC 787, and SOC 767.) (Formerly HDFL 787.) LEC

ABSC 788 Designing Early Education Environments (3). This course reviews empirically supported strategies for designing effective and socially valid care and education environments for young children with and without disabilities. Topics will include early educational theory, individualized curricula and goal selection strategies, various intervention methodologies, and reflective teaching, research. Provides opportunities to teach tactics (e.g., prompting, time delay, differential reinforcement), preventive and assessment based behavioral management strategies, current best practice recommendations.
ABSC 810 Design and Analysis of Community Development Methods (1-6). An examination of the methods used to promote community improvement. May be repeated if the content differs. (Formerly HDFL 807.) Prerequisite: Instructor permission. LEC

ABSC 809 Professional Issues: Clinical Child Psychology (3). This course reviews new approaches to working with persons with retardation and autism; theoretical orientations and practical implications are the focus of class lectures and discussions. (Formerly HDFL 824.) LEC

ABSC 825 Social Development (3). A lecture and discussion course in social development. It includes such topics as theoretical approaches to the study of social development as well as research on ecological and family processes and aggres- sion and prosocial behavior, child abuse and neglect, family violence, child care, and the media. (Same as PSYC 825.) (Formerly HDFL 880.) Prerequisite: A course in child psychology or development. LEC

ABSC 828 Research in Early Intervention with Children (3). A seminar on current issues in assessment and intervention for young children who are at risk for or who have special needs. Provides foundation for evaluating and understanding research in early intervention. Includes historical, conceptual and legislative under- standings of early interventions, the role of multiple factors and the biologi- cal issues in early intervention research, best practice standards, and applications to social, language, and pre-academic domains. (Formerly HDFL 828.) LEC

ABSC 834 Directed Readings in Community Health Promotion (1-5). Supervised individual research on areas of community health promotion. May be repeated for a total of six credits. (Formerly HDFL 834.) RSH

ABSC 837 Advanced Study of People with Disabilities (3). This course reviews major approaches in identifying disability pathogenesis and explores the biologi- cal bases of selected congenital physical disabilities, and etiologies of selected acquired physical disabilities. Rehabilitation approaches and the role of scientist- practitioners in working with people with disabilities are also discussed. This course may be taken by students with physical disabilities. (Formerly HDFL 837.) Prerequisite: Graduate standing or instructor permission. LEC

ABSC 840 Theoretical Concepts of Human Development and Child Care Practice (3). Basic introduction to treatment concepts and procedures related to child de- velopment and child care practice. Theoretical orientations in human development and historical conceptual framework that is effective in dealing with various types of child deviancy. (Formerly HDFL 840.) Prerequisite: Graduate standing or instructor permission. LEC

ABSC 841 Legal, Ethical, and Professional Issues in Applied Behavioral Science (1-3). Seminar designed to provide an overview of topics such as principles guiding research with humans, human subjects procedures, use of animal subjects, de- ception in research, duties to refer, informed consent in special populations, data ownership and sharing, bias and fraud in data collection and analysis, scientific communication, professional communication, publication authorship, duplicate or fragmented publication, plagiarism, conflicts of interest, reporting misconduct, vita preparation, and job search strategies. A BACB pre-approved course. (Formerly HDFL 841.) Prerequisite: Graduate standing in applied behavioral science. LEC

ABSC 845 Rules of Evidence for Applied Research (3). A course on experimental problems specific to research on socially significant behaviors of humans. Emphasis on editing and critiquing research articles of the type submitted for publication in applied research journals. (Formerly HDFL 846.) Prerequisite: Graduate standing in applied behavioral science. LEC

ABSC 846 Practicum in Clinical Child Psychology I (1-3). Lecture, laboratory, field work, and supervision appointment. Psychological evaluation and treatment of children and their families; supervised, progressive experience in psychological inter-vention in children with special needs. (Same as PSYC 846.) (Formerly HDFL 846.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. FLD

ABSC 847 Practicum in Clinical Child Psychology II (1-3). A continuation of ABSC 846/PSYC 846. (Same as PSYC 847.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. LEC

ABSC 850/PSYC 850. (Formerly HDFL 850.) Prerequisite: Instructor permission. LEC

ABSC 856 An Interdisciplinary Approach to Intervention with the Handicapped (3). This course surveys knowledge from various disciplines that address develop-
mental disabilities across the life span. Its focus is on designing strategies for individual intervention and treatment programs and goals, designing systems, developing interventions, and disseminating products from applied behavioral research. Students use examples from their own applied research. An ABA-accredited and BACB pre-approved course. (Formerly HDFL 823.) Prerequisite: ABSC 705 and instructor permission. FLD

ABSC 874 Practicum in Consumer Evaluation of Behavior Programs (3-6). A practicum course designed to provide students with knowledge, background, and practical experience in the implementation of community improvement projects and their evaluation. May be repeated for credit if the content differs. (Formerly HDFL 880.) Prerequisite: Instructor permission. FLD

ABSC 876 Practicum in Community Development (1-6). A practicum course designed to provide students with knowledge, background, and practical experience in working with elders in home, community, or institutional settings. Regular individual conferences with faculty are used to evaluate student progress. (Formerly HDFL 878.) Prerequisite: Instructor permission. FLD

ABSC 877 Advanced Practicum in Gerontology (1-6). Supervised practical experience in working with elders in home, community, or institutional settings. Regular individual conferences with faculty are used to evaluate student progress. (Formerly HDFL 877.) Prerequisite: Instructor permission. FLD

ABSC 880 Early Childhood Practicum for Allied Professionals (1-6). Professionals in fields such as journalism, social welfare, and psychology may have career interests related to work with or on behalf of young children. This practicum provides students with individualized opportunities to work with young children in a group setting in order to develop and implement professional skills. (Formerly HDFL 790.) Prerequisite: Instructor permission. FLD

ABSC 881 Early Childhood Care and Intervention Practicum I (1-6). A course covering the specification of learning goals and the implementation and evaluation of curriculum design management of groups of young children. May be repeated for no more than a total of six credit hours. (Formerly HDFL 791.) Prerequisite: Instructor permission. FLD

ABSC 882 Early Childhood Care and Intervention Practicum II (1-6). A course to assess and teach skills in diagnosis and evaluation of particular problems in the developmental process of young children (1-5 years of age), and to design and implement interventions. May be repeated for no more than a total of six credit hours. (Formerly HDFL 792.) Prerequisite: ABSC 791 and instructor permission. FLD

ABSC 883 Early Childhood Administration Practicum (1-6). Experiences in understanding and developing parent satisfaction with care arrangements for their children, providing services to personnel responsible for care and development of young children, and/or maximizing use of available services for young children on their behalf. May be repeated for no more than a total of six credit hours. (Formerly HDFL 793.) Prerequisite: ABSC 791 and instructor permission. FLD

ABSC 884 Early Childhood Early Intervention Practicum (1-6). Laboratory teaching in an early childhood classroom that includes children who are developmentally delayed, demonstrate behavioral or learning difficulties, or have other developmental disabilities. Experience includes individualized programming for children with special needs, as well as group management and group curriculum planning. May be repeated for no more than a total of six credit hours. (Formerly HDFL 794.) Prerequisite: ABSC 791 and instructor permission. FLD

ABSC 885 Early Childhood Teacher Practicum (1-6). Supervised experience in supervising staff who work in programs for young children. Supervision includes orienting, monitoring, and evaluating staff performance; opportunities for interaction with other professionals; experience in facilitating staff communication; and consulting on research projects. (Formerly HDFL 795.) Prerequisite: ABSC 791 and instructor permission. FLD

ABSC 886 Developmental Assessment Practicum: Child(ren) in _____ _____ (1-6). A course to provide students with knowledge and background in providing direct services related to early intervention and treatment programs. May be repeated providing the age group specification is not repeated. (Formerly HDFL 811.) Prerequisite: HDFL 810 or an equivalent course. FLD

ABSC 887 Clinical Practicum in Pediatric Psychology (1-6). Supervised experience with pediatric patients referred for behavior problems, including, for example, temper tantrums, enuresis, enopressis, and hyperactivity. Also includes evaluation and treatment of children with common encountered behavior problems. In addition, students observe pediatric staff performing appropriate physical exams and observe the interaction between the medical staff and the pediatric psychologist. (Formerly HDFL 823.) Prerequisite: ABSC 705 and instructor permission. FLD

ABSC 888 Diversity Issues in Clinical Psychology (3). Review of individual differences pertaining to culture, ethnicity, race, gender, sexual orientation, age, etc., as these have an impact upon theory, research, assessment, and treatment issues in clinical psychology. (Same as PSYC 888.) Prerequisite: Graduate status in clinical psychology, or consent of instructor. LEC

ABSC 890 Seminar in: _____ _____ (3). A seminar for master’s level students. It examines basic and applied research literatures in specialized fields of applied behavioral science. May be repeated for credit if the content differs. (Formerly HDFL 791.) Prerequisite: Seminar in _____ _____ (3). A seminar for master’s level students. It examines basic and applied research literatures in specialized fields of applied behavioral science. May be repeated for credit if the content differs. (Formerly HDFL 791.) Prerequisite: Graduate standing in applied behavioral science or instructor permission. LEC

ABSC 891 Research in: _____ _____ (1-6). Supervised research investigations in basic or applied behavioral science for master’s students. The course introduces observational measurement, research methods and designs, and the conduct of research in the behavioral sciences. May be repeated for credit if the content differs. (Formerly HDFL 800.) Prerequisite: Graduate standing or instructor permission. RSH

ABSC 892 Readings in: _____ _____ (1-3). An individual, supervised study of recent research and scholarship for master’s students. The course emphasizes current scholarship in selected areas of basic and applied behavioral science and its conceptual foundations. Designed for students whose needs cannot be met in other classes. May be repeated for credit if the content differs. (Formerly HDFL 833.) Prerequisite: Graduate standing or instructor permission. RSH

ABSC 893 Special Topics in: _____ _____ (1-3). A research and readings course for master’s students. It allows them to concentrate their studies on selected basic and applied problems in behavioral science and carry out independent research. May be repeated for credit if the content differs. (Formerly HDFL 722, HDFL 724, HDFL 725, HDFL 799.) Prerequisite: Graduate standing or instructor permission. LEC

ABSC 894 Study Abroad Topics in: _____ _____ (1-3). A course designed to enhance international experience in topic areas related to behavioral science for master’s students. May be repeated for credit if the content differs. Prerequisite: Graduate standing or instructor permission. LEC
ABSC 857 Master’s Thesis in Clinical Child Psychology (1-10). Supervised research experience for completing the thesis leading to master’s degree. (Formerly HDFL 897.) (Same as PSYC 897.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. RSH

ABSC 899 Master’s Thesis in Applied Behavioral Science (1-9). Supervised research experience for completing the thesis leading to master’s degree in applied behavioral science. May be repeated. (Formerly HDFL 899.) Prerequisite: Graduate standing in applied behavioral science or instructor permission. THE

ABSC 900 Self-Control, Impulsivity, and Human Addictive Disorders (3). This course examines basic research designed to explore variables affecting animal and human decision making; particularly decisions classified as demonstrating impulsivity and self-control. The evidence for genetic and learning contributions to the prediction of impulsive decision making will be explored, as well as the relationship between impulsivity and addictive behavior. (Formerly HDFL 900.) Prerequisite: Graduate standing or instructor permission. LEC

ABSC 905 Psychopathology in Children (3). Diagnosis and treatment of psychological problems in childhood and adolescence. Preference given to graduate students in child clinical psychology, school psychology, and counseling psychology. (Same as PSYC 905.) Prerequisite: Fifteen hours of graduate credit in psychology or consent of instructor. LEC

ABSC 908 Psychotropics: Effects Through the Life Span (3). This course covers basic pharmacological concepts, neuropharmacological principles, and the therapeutic and drug effects on behavior. Special attention is given to age and history as influences in psychopharmacological outcomes. (Formerly HDFL 908.) LEC

ABSC 913 Behavioral Science Research Proseminar (1-3). A doctoral level professional seminar in which faculty and students present research proposals; offer formal presentation of completed empirical research; examine and share other areas of scholarship; and engage discussion about contemporary empirical, conceptual, and professional issues in applied behavioral science. May be repeated for a total of eight credits. (Formerly HDFL 913.) Prerequisite: Graduate standing or instructor permission. LEC

ABSC 920 Seminar in Language Development (3). The course pertains to relevant research regarding infant speech development, vocabulary development, linguistic development, articulation development, and language retardation. (Same as SFPL 969.) Prerequisite: Graduate standing or instructor permission. Master’s or Ph.D. status. LEC

ABSC 921 The History and Systems of Psychology (3). An advanced graduate seminar on the history of psychology and its systems, and their relations to contemporary psychology. Pertinent issues in the history and philosophy of science are addressed (e.g., scientific revolutions), as are concerns in the historiography of psychology (e.g., presen- tations, forums, and demonstrations). (Formerly HDFL 891.) Prerequisite: Graduate standing or instructor permission. Master’s or Ph.D. status. LEC

ABSC 931 Verbal Behavior (3). An advanced graduate seminar on the analysis of the verbal behavior of the proficient speaker and the biological, environmental, and motivational factors affecting it. Structural and developmental issues, as well as implications for language training and remediation are integrated throughout. Critiques and rebuttals are examined, along with current empirical and conceptual advances in research and theory. An ABA-accredited and BACB/E-pre- approved course. (Formerly HDFL 831.) Prerequisite: ABSC 796, advanced course work in psycholinguistics or linguistics, or instructor permission. LEC

ABSC 934 Directed Readings in Clinical Child Psychology (3-5). Designed to meet the needs of advanced students whose study in clinical child psychology cannot be met with the offerings of this program for whom course work is desired in a specialized area of study. (Formerly HDFL 934.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. RSH

ABSC 935 Experimental Foundations of Applied Behavior Analysis (3). A graduate level introduction to basic behavioral research. This course surveys seminal and current research in basic experimental analysis of behavior and relates this work to research and practice in applied behavior analysis. Topics include respondent conditioning, complex schedule performance, avoidance, stimulus control, and choice. Prerequisite: ABSC 798 and consent of instructor. LEC

ABSC 940 Measurement and Experimental Design for Applied Research (3). This is an advanced course on research methods helpful in the development, evaluation, and dissemination of effective and sustainable behavior-analytic programs. The practices examined involve (a) selecting non-reactive measures of staff implementation behavior; (b) selecting effective and sustainable components of a staff management program; and (c) experimentally analyzing the effectiveness and sustainability of the staff management program. Particular emphasis is placed on the analysis of the principles of behavior that determine the maintenance of staff interventions and, therefore, the survival of behavioral programs in their post-research phase. Students read and discuss the literature on factors that promote or impede program survival. Students design individual research programs for review and critique. These research programs are examined in particular with the faculty members they are assisting. Students enroll for 3 hours for the equivalent of a 25% assistantship and 6 hours for a 50% equivalent. (Formerly HDFL 941.) Prerequisite: Instructor permission. FLD

ABSC 941 Teaching and Preconference (3-6). This course is used by graduate students fulfilling the doctoral program teaching requirement. Students assist in class preparation and organization, teaching, grading, and office hours or serve as discussion leaders and tutors in the core courses. The course is repeated for credit. Prerequisite: ABSC 940. Prerequisite: Instructor permission. LEC

ABSC 942 Analysis and Applied Research (3). This course examines data analysis procedures commonly used with both large group and single-subject experimental designs. In addition to presenting specific data analysis techniques, the strengths and weaknesses inherent in the various techniques are carefully reviewed. It is a core requirement. (Formerly HDFL 942.) Prerequisite: ABSC/HDFL 735 or HDFL 803 and an intermediate statistics course. LEC

ABSC 943 Advanced Practicum in Clinical Child Psychology III (1-3). Lecture, laboratory, field work, and supervision assignment. Advanced psychological intervention techniques for children, youth, and families; supervised progressive exper- iences in the application of behavior therapy to the treatment of behavioral and emotional problems. (Formerly HDFL 943.) (Same as PSYC 943.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. FLD

ABSC 944 Advanced Practicum in Clinical Child Psychology IV (1-3). A continuation of ABSC/HDFL 943 and HDFL 944. (Formerly HDFL 944.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. FLD

ABSC 947 Advanced Practicum in Clinical Child Psychology V (1-3). A continuation of ABSC/HDFL 945 and PSYC 945. May be taken in more than one semester. (Formerly HDFL 947.) (Same as PSYC 947.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. FLD

ABSC 951 The Analysis of Cognition (3). A graduate seminar on the behavior analysis analysis of cognition. Topics include consciousness, attention, perception, memory, language, rule-governed behavior, problem-solving, decision-making, generality, creativity, and beliefs and attitudes. Comparisons and contrasts are drawn among different theoretical orientations (information-processing, parallel-parallel, nondirectional theories). Prerequisite: ABSC 786, advanced course work in May be repeated for credit if the content differs. Prerequisite: Graduate standing in may be repeated for credit if the content differs. Prerequisite: Graduate standing in behavioral psychology or instructor permission. LEC

ABSC 961 Advanced Seminar in Applied Behavior Analysis: (3). An advanced seminar examining the literature and research methods in specialized areas of applied behavioral analysis (e.g., developmental disabilities, community health, organizational development). May be repeated for a total of eight credits. Prerequisite: ABSC/HDFL 834, ABSC/HDFL 934, PSYC 845, or instructor permission. LEC

ABSC 964 Evaluating and Disseminating Scientific Material II (3-6). This course provides an opportunity to develop skills in the analysis and production of scientific papers, and to critically evaluate the content of current research. An ABA-accredited and BACB/E-pre-approved course. (Formerly HDFL 964.) LEC

ABSC 965 Evaluating and Disseminating Scientific Material III (3-6). This course provides an opportunity to develop skills in the analysis and production of scientific papers, and to critically evaluate the content of current research. An ABA-accredited and BACB/E-pre-approved course. (Formerly HDFL 965.) LEC

ABSC 966 Seminar in Applied Behavioral Analysis: (3-6). Advanced instruction and supervised laboratory and field work for doctoral students beyond ABSC 870. May be repeated for credit if the content differs. Prerequisite: Graduate standing in behavioral psychology or instructor permission. LEC

ABSC 970 Practicum II in Behavioral Psychology (1-6). Advanced instruction and supervised laboratory or field work for doctoral students beyond ABSC 870. May be repeated for credit if the content differs. Prerequisite: Graduate standing or supervisor permission. LEC

ABSC 971 Practicum II in Behavioral Psychology (1-6). Advanced instruction and supervised laboratory or field work for doctoral students beyond ABSC 871. May be repeated for credit if the content differs. Prerequisite: Graduate standing in behavioral psychology or instructor permission. LEC

ABSC 972 Practicum II in: (1-6). Advanced instruction and supervised laboratory or field work for doctoral students beyond ABSC 872. May be repeated for credit if the content differs. Topic and instructor are announced in the Schedule of Classes. Prerequisite: ABSC/HDFL 943 and PSYC 943. (Formerly HDFL 944.) (Same as PSYC 944.) Prerequisite: Instructor permission. LEC

ABSC 976 Therapeutic Interventions with Children (3-5). Clinical approaches to the therapeutic treatment of children with special emphasis on research findings and laboratory techniques. Topics include parent education and play therapy by the right therapist for a specific child with a particular problem. (Same as PSYC 976.) Prerequisite: Instructor permission. FLD

ABSC 983 Methods of Obtaining External Research Funding (1-3). The objective of this course is to demystify this process and prepare participants to submit their first independent research grant application. Participants learn about the characteristics of different funding mechanisms and agencies, the characteristics of successful and unsuccessful application strategies, how to turn an initial research idea into a com- petitive application, ethical issues that influence each stage of the development and submission process, and the nuts and bolts of grant development and management. Specific activities include critiquing an actual NIH grant application, participating in a mock review panel, and developing an actual grant application. LEC

ABSC 990 Advanced Seminar in: (3). An advanced seminar for doctoral students. It examines basic and applied research literatures in specialized fields of applied behavioral science. May be repeated for credit if the content differs. (Formerly HDFL 930.) Prerequisite: Graduate standing in behavioral psychology or instructor permission. LEC

ABSC 992 Advanced Readings in Applied Behavioral Science (1-6). An advanced individual, supervised study of recent research and scholarship for doctoral students. The course focuses on the analysis of literature, research planning and preparation, conducting research, analyzing data, writing research reports, and preparing oral reports of completed research. May be repeated for credit if the content differs. Prerequisite: Graduate standing or instructor permission. LEC

ABSC 993 Advanced Special Topics: (1-3). An advanced research and readings course for doctoral students. It allows them to concentrate their studies on se-
lected basic and applied problems in behavioral science and carry out independent research. May be repeated for credit if the content differs. (Formerly HDFL 931) Prerequisite: Graduate standing in behavioral psychology or instructor permission. RSH

ABSC 994 Advanced Study Abroad Topics in: (1-6). An advanced course designed to enhance international experience in topic areas related to behavioral science for doctoral level students. May be repeated for credit if the content differs. Prerequisite: Graduate standing in behavioral psychology or instructor permission. LEC

ABSC 998 Doctoral Dissertation in Clinical Child Psychology (1-10). Research experience making an original contribution to literature in clinical child psychology. (Same as PSYC 988) (Formerly HDFL 998) RSH

ABSC 999 Doctoral Dissertation in Behavioral Psychology (1-9). Advanced supervised research that makes an original, empirical contribution to the literature in applied behavioral science leading to a doctoral degree in behavioral psychology. May be repeated. (Formerly HDFL 999) Prerequisite: Graduate standing in behavioral psychology or instructor permission. THE

Art
See Visual Art in the College of Liberal Arts and Sciences: School of the Arts chapter of this catalog.

Art History
See History of Art.

Astronomy
See Physics and Astronomy.

Atmospheric Science
See Geography.

Biochemistry
See Biological Sciences: Molecular Biosciences.

Bioinformatics

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Graduate Director: Wonpil Im, wonpil@ku.edu, (785) 864-1993
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Professors: Vakser, Verkhivker
Associate Professors: Zhang
Assistant Professors: Im, Karanicolas
Bioinformatics Teaching Faculty: Ackley, Camarda, Chen, Cohen, DeGuzman, Dentler, Egan, Fang, Fischer, Hanzlik, Harsey, Heckert, Huan, Kuczera, Lundquist, Lushington, Middaugh, Mushgian, Pasik-Duncan, Pourque, Richter, Rivera, Schoeneich, Smith, Suprenant, Takusagawa, Tang, Timmermann, Torres, Wan, Ward

Bioinformatics is an interdisciplinary science at the interface of biology, chemistry, medicine, mathematics, and computer science. Its goal is development and application of computational approaches to studies of life processes and improvement of human health. The Bioinformatics Program recruits students with bachelor’s or master’s degrees who made their career choice to become professional bioinformaticians. The Ph.D. degree in bioinformatics requires successful completion of formal courses and demonstration of accomplishments in basic research, qualifying examinations, scientific writing, and formal presentations of research data.

The courses below are available for graduate credit.

**Bioinformatics Courses**

**BINF 701 Bioinformatics I** (5). First semester of a two-semester course in bioinformatics and computational biology. Topics include basic concepts of bioinformatics and molecular modeling, bioinformatics databases, computational tools and modeling methods, protein sequence and structure alignment, conformational analysis, secondary structure determination, tertiary structure modeling (homology, threading, ab initio, molecular dynamics and Monte Carlo simulations, protein folding and dynamics), as well as students presentations of material from current papers in the field of study and their own on-going research for discussion and critique. Prerequisite: College introductory biochemistry (no requirement for specific courses), math, and computer courses or concurrent enrollment in such courses and consent of instructor. (Same as PHCH 701) LEC

**BINF 702 Bioinformatics II** (5). Second semester of a two-semester course in bioinformatics and computational biology. Topics include protein quaternary structure modeling (protein-protein/DNA/small ligand docking, binding, computer-aided drug design), protein structure-function relationships, biological membranes (structure and function of integral membrane proteins, protein-membrane and protein-protein interactions in membranes), phylogenetic trees, modeling of genome-wide protein interaction networks based on structure, sequence, experimental and data-mining, as well as students presentations of material from current papers in the field of study and their own on-going research for discussion and critique. (Same as PHCH 702) Prerequisite: BINF 701 LEC

**BINF 709 Topics in: (1-3). Advanced courses on special topics in Bioinformatics, given as need arises, including lectures, discussions, readings, or laboratory. Students may select sections according to their special interests. LEC**

Biology

**Bioinformatics Courses**

**BINF 701 Bioinformatics I** (5). First semester of a two-semester course in bioinformatics and computational biology. Topics include basic concepts of bioinformatics and molecular modeling, bioinformatics databases, computational tools and modeling methods, protein sequence and structure alignment, conformational analysis, secondary structure determination, tertiary structure modeling (homology, threading, ab initio, molecular dynamics and Monte Carlo simulations, protein folding and dynamics), as well as students presentations of material from current papers in the field of study and their own on-going research for discussion and critique. Prerequisite: College introductory biochemistry (no requirement for specific courses), math, and computer courses or concurrent enrollment in such courses and consent of instructor. (Same as PHCH 701) LEC

**BINF 702 Bioinformatics II** (5). Second semester of a two-semester course in bioinformatics and computational biology. Topics include protein quaternary structure modeling (protein-protein/DNA/small ligand docking, binding, computer-aided drug design), protein structure-function relationships, biological membranes (structure and function of integral membrane proteins, protein-membrane and protein-protein interactions in membranes), phylogenetic trees, modeling of genome-wide protein interaction networks based on structure, sequence, experimental and data-mining, as well as students presentations of material from current papers in the field of study and their own on-going research for discussion and critique. (Same as PHCH 702) Prerequisite: BINF 701 LEC

**BINF 709 Topics in: (1-3). Advanced courses on special topics in Bioinformatics, given as need arises, including lectures, discussions, readings, or laboratory. Students may select sections according to their special interests. LEC**

**Organization for Tropical Studies**

KU is a charter member of the Organization for Tropical Studies, which provides tropical field experience and training in Costa Rica. Advance application and enrollment are necessary. Interested students should see their advisers at least four months before undertaking study in Costa Rica.

**Biology**

**Biology Courses**

**BINF 701 Bioinformatics I** (5). First semester of a two-semester course in bioinformatics and computational biology. Topics include basic concepts of bioinformatics and molecular modeling, bioinformatics databases, computational tools and modeling methods, protein sequence and structure alignment, conformational analysis, secondary structure determination, tertiary structure modeling (homology, threading, ab initio, molecular dynamics and Monte Carlo simulations, protein folding and dynamics), as well as students presentations of material from current papers in the field of study and their own on-going research for discussion and critique. Prerequisite: College introductory biochemistry (no requirement for specific courses), math, and computer courses or concurrent enrollment in such courses and consent of instructor. (Same as PHCH 701) LEC

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**BINF 709 Topics in: (1-3). Advanced courses on special topics in Bioinformatics, given as need arises, including lectures, discussions, readings, or laboratory. Students may select sections according to their special interests. LEC**

**Organization for Tropical Studies**

KU is a charter member of the Organization for Tropical Studies, which provides tropical field experience and training in Costa Rica. Advance application and enrollment are necessary. Interested students should see their advisers at least four months before undertaking study in Costa Rica.
The department offers graduate study leading to Master of Arts and Doctor of Philosophy degrees in botany, entomology, and ecology and evolutionary biology. General information about the department, faculty, current graduate students, admission, and financial support may be found at the web address above.

Departmental physical facilities include laboratories, working museum collections, and field-study sites near the university. Most laboratory facilities are in Dyche Hall, Higuchi Hall, McGregor Herbarium, Haworth Hall, and the Public Safety Building. The museum collections are a part of the Biodiversity Institute and include nearly 1 million vertebrate specimens, an estimated 1 million invertebrate fossils (exclusive of microfossils), 3.2 million pinned insects, and numerous mites and minute insects preserved in liquid. The Biodiversity Institute also includes an extensive collection of fossil plants and 300,000 pressed specimens.

The University of Kansas Field Station and Ecological Reserves (KSR) offers a diversity of habitats and facilities for local field research. These include the Fitch Natural History Reservation, a 590-acre site for long-term ecological succession studies; the Rockefeller Experimental Tract, 160 acres of prairie; the Baldwin Woods, 202 acres of deciduous forest; the John H. Nelson Environmental Study Area, a 560-acre site with more than 100 experimental ponds and a biotic succession/habitat fragmentation research facility; and the Hall Nature Reserve, a site for native habitat restoration and conservation studies. In 2008, KSR opened the Kenneth and Katie Armitage Education Center at its headquarters building, which includes a large classroom/meeting room, two laboratories, a lobby/great room, full kitchen, offices, and shower and laundry facilities.

The Kansas Biological Survey, a state research agency at KU, operates innovative laboratories in support of aquatic ecotoxicology and water chemistry, floral and faunal inventories, remote sensing, and geographic information systems technologies. Faculty and students also carry out field studies in diverse of areas of the world. KU is a member of the Organization for Tropical Studies, which provides tropical field experience and training in Costa Rica and South America.

**Admission**

General information on admission and financial aid is available online at [www2.ku.edu/~eeb]. Send inquiries to the graduate program coordinator. The departmental graduate admissions committee reviews the record of each applicant. The committee considers the candidate’s overall undergraduate record in the context of the institution(s) from which the record was received. A minimum overall grade-point average of 3.0 on a 4.0 scale is required for regular admission. The student’s academic record in the specialization is also important. The master’s degree is not a requirement for regular admission. The student’s academic record in the specialization is also important. The master’s degree is not a requirement for regular admission. The student’s academic record in the specialization is also important.

**Required Course Work for Master’s Students.**

Students must attend and enroll in BIOL 701 Topics in Ecology and Evolution, which emphasizes broader graduate training rather than concentration on research. For each option, the advisory committee must have at least three Graduate Faculty members, two of whom must be identified during the student’s PAC meeting.

**Time Constraints**

A student beginning graduate study with only a bachelor’s degree should complete all work for the master’s degree in two or three years after initial enrollment at KU. A student beginning graduate study with a master’s degree in the biological sciences should complete all work for the doctoral degree within four to five years. A student beginning graduate study with only a bachelor’s degree in the biological sciences should complete all work for the doctoral degree within five to six years.

The maximum tenure for EEB graduate students follows KU’s regulations. Master’s students are allowed a maximum of seven years to complete the degree program, and doctoral students are allowed eight years. If a student first earns an M.A. from KU before beginning a doctoral program, he or she has a total of 10 years to complete both degrees. Petitions to extend the time limits must be approved by the student’s advisory committee and forwarded to the EEB graduate program committee for consideration before being forwarded to the College Office of Graduate Affairs for approval.

As required by the university, doctoral students must complete the equivalent of at least three academic years of full-time graduate study. This may include the time spent earning a master’s degree. Students who work as teaching or research assistants or have other obligations may need more than three years.

**M.A. Degree Requirements: Ecology and Evolutionary Biology, Botany, or Entomology**

**Options I (Thesis) and II (Nonthesis).** Two options leading to the M.A. degree are offered. Option I (Thesis) is research-oriented and requires a thesis or its equivalent. Option II (Nonthesis) emphasizes broader graduate training rather than concentration on research. For each option, the advisory committee must have at least three Graduate Faculty members, two of whom must be in EEB. No faculty member outside the department is required. Students are expected to take graduate-level courses (or have equivalent knowledge) in ecology, evolution, and systematics. Students must attend and enroll in BIOL 701 Topics in Ecology and Evolution.

**A KU professor, with the help of a co-worker, made the 1981 discovery of a white-headed flightless steamer duck, the first species of duck found since 1917.**

**Two KU professors have been studying the spread and adaptation of the African honeybee in South America.**

KU’s 590-acre Fitch Natural History Reservation is a nature preserve that has been protected from disturbance for 60 years.
and Evolutionary Biology for the first semester of graduate education, typically in the fall semester (they are expected to attend departmental colloquia in subsequent semesters).

Additionally, students must take a graduate-level course in statistics (such as BIOL 841 Biometry I) or demonstrate equivalent background knowledge. Students pursuing the thesis option must enroll in a minimum of 1 hour of thesis research (BIOL 899). A student’s advisory committee may add course requirements to a student’s degree program during annual meetings.

Master’s students must meet a credit-hour-completion requirement. Those in the thesis program must complete a minimum of 30 graduate-level credit hours with no more than 10 of the 30 from enrollment in thesis, research, or advanced study hours. Those in the nonthesis program must complete a minimum of 36 graduate-level credit hours with no more than 12 of the 36 from enrollment in thesis, research, or advanced study hours.

Students seeking an M.A. in botany must take a graduate-level course in at least two of the following three areas: (1) plant ecology; (2) plant systematics or morphology; (3) plant development or physiology.

Students seeking an M.A. in entomology must take BIOL 500 Biology of Insects and BIOL 502 Laboratory in Insect Biology and Diversity unless they have taken equivalent courses. Students who have taken a course equivalent to BIOL 502 elsewhere are still encouraged to take BIOL 502 to familiarize themselves with the local insect fauna. In addition, students must take at least one of the following courses: BIOL 708 External Morphology of Insects, BIOL 711 Insect Systematics, or BIOL 716 Insect Physiology and Internal Morphology.

Master’s Final Examination. Students working toward an M.A. degree (both thesis and nonthesis options) must take a final general oral examination in the semester of final enrollment in course work when the thesis work (or library investigation, etc.) is nearing completion. This examination is administered by three members of the Graduate Faculty, two of whom must be in EEB; it should not be taken on the same day as the student’s research presentation. The master’s final examination is not a defense of the thesis, although questions directly or indirectly related to the student’s research may arise. Its structure is similar to that of the doctoral oral comprehensive examination, although the length of the examination and depth and breadth of knowledge required of the student are less than that expected in a doctoral examination. To pass the master’s final examination, a student must receive a majority of passing votes from the examining committee. Under special circumstances, modifications of the standard procedures for the master’s final examination are possible, and students may petition the departmental Graduate Program Committee for consideration of such exceptions.

Research. Upon completion of their work, students must submit a thesis on original research and present their research results to the public in standard departmental colloquium format. The presentation is not required to be a defense of the thesis and should not be held on the same day as the student’s final exam. The thesis must be submitted electronically to Graduate Studies. Instructions for formatting and submitting the electronic thesis are at www.graduate.ku.edu. The thesis must also be submitted to the department on CD in either PDF or Word format. Paper copies of the title and acceptance pages containing the signatures of the examining committee members must be submitted to both the College Office of Graduate Affairs and the department.

Students in M.A. Option II (nonthesis) must conduct research with one or more faculty members involving work on a research problem that requires use of literature, laboratory techniques, or field techniques. Nonthesis students must submit a committee-approved, comprehensive written report to the advisory committee and to the department. Examples of research problems that could be the basis of the written report include a literature review of a critical issue in a scientific discipline, original research, or other creative activity approved by the advisory committee. The report must be submitted to the department on CD in either PDF or Word format. A paper copy of the title page containing signatures of the advisory committee members also must be submitted.

Ph.D. Degree Requirements: Ecology and Evolutionary Biology, Botany, or Entomology

Required Course Work for Doctoral Students. Most course work requirements are identified during the student’s PAC meetings. Students are expected to take graduate-level courses (or have equivalent knowledge) in the disciplines of ecology, evolution, and systematics. Students must attend and enroll in BIOL 701 Topics in Ecology and Evolutionary Biology for the first semester of graduate education, typically in the fall semester (they are expected to attend departmental colloquia in subsequent semesters). Doctoral students must take a graduate-level course (or have equivalent knowledge) in statistics (such as BIOL 841 Biometry I). Completion of at least 1 credit hour in BIOL 999 Doctoral Dissertation is required. A student’s advisory committee may add course requirements to a student’s degree program during annual meetings.

In addition, students seeking a Ph.D. in entomology must take BIOL 500 Biology of Insects and BIOL 502 Laboratory in Insect Biology and Diversity unless they have taken equivalent courses. Students who have taken a course equivalent to BIOL 502 elsewhere are still encouraged to take BIOL 502 to familiarize themselves with the local insect fauna. In addition, students must take all three of the following courses: BIOL 708 External Morphology of Insects, BIOL 711 Insect Systematics, and BIOL 716 Insect Physiology and Internal Morphology.

Students seeking a Ph.D. in botany must take a graduate-level course in each of the following three areas: (1) plant ecology; (2) plant systematics or morphology; (3) plant development or physiology. In addition, the student must take a specialty seminar focusing on plant-related topic.

Assistantships. Doctoral students must complete at least two semesters of half-time supervised teaching, curatorial, or research assistantships. Alternative experiences may be approved by the student’s advisory committee.

Foreign Language or Other Research Skills. Doctoral students can fulfill the FLORS requirement in one of four ways: (1) exhibiting reading knowledge of two foreign languages, (2) exhibiting fluency in a foreign language, (3) exhibiting reading

KU graduate programs in biological sciences ranked 30th in the nation, according to U.S. News & World Report’s “America’s Best Graduate Schools” rankings for 2009.

The R.L. McGregor Herbarium houses approximately 350,000 plant specimens, a library of 1,400 books and 14,000 scientific articles, and a collection of 14,000 photographic slides.
knowledge of one foreign language and fulfilling the requirements of one other research skill, or (4) fulfilling the requirements of two other research skills. Upon completion of a FLORS requirement, students should contact the departmental graduate coordinator so that appropriate documentation may be added to the student’s permanent file.

1. Reading Knowledge of a Foreign Language. Students without prior experience must enroll in a 3-credit-hour reading course in a major modern language and achieve a final grade of A or B. Students with prior knowledge of a language may choose instead to translate, in a set amount of time, a pre-approved passage from the scientific literature in that language. Approval of the foreign language requirement must be obtained from the instructor of the reading course, from an appropriate representative of a language department, or from a qualified individual from EEB or another department. Examples of EEB faculty members who are qualified for specific languages are listed below:
   For Spanish: Professor Town Peterson
   For German or French: Professor Rudolf Jander

2. Fluency in a Foreign Language. If the student is a native English speaker (or, in the rare event that the student is not a native English speaker and chooses a non-native language other than English), fluency in reading, writing, and speaking a foreign language is determined by a faculty member in the department (whenever possible, otherwise in an appropriate language department) who is fluent in the chosen language. The faculty member submits a letter to the EEB graduate education committee indicating that the student is fluent.

   If the student is not a native English speaker, the student’s committee may determine fluency in reading, writing, and speaking English. Following the committee’s determination, the student’s advisor provides a letter to the EEB graduate education committee indicating that the student is fluent.

3. Other Research Skills. Other research skills must be consistent with the Graduate Studies description, “a research skill component distinct from, but strongly supportive of, the dissertation.” These skills may be attained either through course work or through completion of a project. In either case, the ORS must be approved by the EEB graduate program committee. Approval of the foreign language requirement must be obtained from the instructor of the reading course, from an appropriate representative of a language department, or from a qualified individual from EEB or another department. A list of previously approved ORS appears on the EEB Graduate Student Handbook (www2.ku.edu/~eeb). Other courses or projects can be added to this list by petitioning the EEB graduate program committee for pre-approval.

   Students with no prior experience using the chosen research skill should take a course recommended by the department; students with experience might choose instead to translate, in a set amount of time, a pre-approved passage from the scientific literature in that language. Approval of the foreign language requirement must be obtained from the instructor of the reading course, from an appropriate representative of a language department, or from a qualified individual from EEB or another department. Examples of EEB faculty members who are qualified for specific languages are listed below:
   For German or French: Professor Rudolf Jander
   For Spanish: Professor Town Peterson

   All Ph.D. aspirants must prepare a dissertation proposal that follows the NSF Doctoral Dissertation Improvement Grant model. The dissertation proposal must be submitted to all members of the comprehensive oral examination committee for review and approval at least two weeks prior to the examination.

   To be eligible to take the comprehensive oral examination, students must meet all FLORS requirements as well as the Graduate Studies residence requirement. Doctoral students who have advanced to candidacy by completing the comprehensive oral examination should note a change in their enrollment requirements (see the EEB Graduate Student Handbook at www2.ku.edu/~eeb).

Research Progress, Final Oral Examination, and Dissertation Defense. After passing the comprehensive oral examination, the student, in consultation with the adviser, selects a dissertation committee. The committee must consist of at least three Graduate Faculty members, typically the adviser and two other faculty members with complementary research interests. Near the completion of the student’s research, the student and adviser select two more members to form the final oral examination committee.

   All members must belong to the Graduate Faculty, with three from EEB, and one must be from another KU department. Non-KU faculty may be appointed Ad Hoc members of the Graduate Faculty.

   All five members should read and comment on the dissertation. Three of the five members are designated readers and provide a more detailed review. The student should provide drafts of the dissertation for review and revision by committee members before scheduling the defense. The dissertation must meet general regulations (www.graduate.ku.edu). When the readers have given tentative approval of the dissertation, the final oral examination and dissertation defense may be scheduled. The examination and defense should be scheduled at least three weeks before the defense date. The departmental graduate coordinator should be contacted at this time to prepare paperwork for the defense. At least five months must have elapsed between successful completion of the comprehensive oral examination and the date of the final oral examination.

   The final oral examination includes a presentation of the candidate’s dissertation as a formal, public lecture. Whenever possible, the presentation should be part of the regular departmental colloquium series. The presentation is followed by a question period, then the final oral examination committee meets with the student for further discussion of the dissertation.

   A majority vote of the committee is required for the student to pass the examination; at least 80 percent of the committee members must judge the student’s performance to be exceptional. An exceptional performance would be one that is judged to be in the top 10 percent of examinations in which the committee members have participated.

   If a student fails the comprehensive examination, another examination may be scheduled, but under no circumstances may a student take it more than three times. The examination may not be repeated until at least 90 days after a previous unsuccessful attempt.

   The comprehensive oral examination committee must consist of at least five Graduate Faculty members. At least three must be EEB faculty members, and one must be from another KU department representing Graduate Studies. Non-KU faculty may be appointed Ad Hoc members of the Graduate Faculty.

   The major adviser may participate and vote in the comprehensive oral examination.
Biological Sciences: Molecular Biosciences

Acting Chair: Robert Cohen, rcohen@ku.edu
Haworth Hall, 1200 Sunnyside Ave., Room 2034
Lawrence, KS 66045-7566
www.molecularbiosciences.ku.edu, (785) 864-4631

Graduate Director: Stephen H. Benedict, sbene@ku.edu,
7035 Haworth Hall, (785) 864-4007

Graduate Program Coordinator: John P. Connolly,
jconnolly@ku.edu, 2034 Haworth Hall, (785) 864-4311

Professors: Benedict, Brown, Cohen, Dentler, Kelly, Kuczerka,
Oakley, Orr, Picking, Richter, Steinmetz, Suprenant,
Takusagawa, Vakser, Weaver

Professors Emeriti: Borchert, Buller, Burton, Draper, Floor,
Himes, Kitos, Sanders, Schowen, Shankel, Wytenbach, Yochim

Associate Professors: Buechner, Corbin, Egan, Gegenheimer,
Lundquist, Stetler, Timmons

Assistant Professors: Ackley, Azuma, Davido, De Guzman,
Gamlin, Harsay, Hefty, Im, Karanicos, Lamb, Macdonald,
Neufeld, Tang, Ward, Zhang

Affiliated Faculty: Crawford, Dobrowsky, Faiman, Fischer, Gleason,
Hesse, Jensen, E. Michaelis, M. Michaelis, Mure, Scott, Yang

The department offers the Doctor of Philosophy and the Master of Arts in biochemistry and biophysics; microbiology; and molecular, cellular, and developmental biology. Programs in neurobiology and genetics also allow a research focus. Graduate students may pursue degree tracks in the disciplines of their choice but may also be involved in collaborative research. New students should confer with the graduate coordinator to plan a first-semester schedule. Until the student chooses a permanent adviser, the graduate coordinator advises him or her.

The department has established a level of enrollment appropriate for normal progress (course work and research effort) toward an advanced degree. These credit-hour requirements may exceed, but not fall below, minimum Graduate Studies requirements. A student must enroll full-time in residence for at least two regular academic-year semesters after the first year of graduate study. Nine credit hours constitute full-time enrollment. If the student holds a half-time research or teaching assistantship, 6 hours constitute full-time enrollment. The department expects graduate students who have not yet passed the comprehensive oral examination (including those with half-time assistantships) to enroll in at least 9 hours each semester and 3 hours each summer session. After passing the comprehensive oral examination, a doctoral candidate must be continuously enrolled, including summer sessions, until all degree requirements are completed. For the first 18 hours of post-comprehensive enrollment, the doctoral candidate must take a minimum of 6 hours per semester and 3 hours per summer session. Only in the terminal semester(s), when the student is writing the dissertation, can enrollment be reduced to a minimum of 1 hour.

Graduate Teaching Assistantships and Graduate Research Assistantships are available. GTA’s are appointed on a semester basis. GRAs are appointed on a semester, academic-year, or calendar-year basis.

During the first two semesters, a new Ph.D. graduate student follows a rotation schedule through three research laboratories. Master’s students must have at least one laboratory rotation. This program acquaints each student with the research conducted by each faculty member. Students then choose a home lab. This decision must be mutually agreed on with the major professor. Each graduate student must teach for at least two semesters.

Admission

The department adheres to minimum admission requirements. The number of new students accepted each year depends largely on availability of laboratory space, financial resources, grants, and the number of students leaving the program. The department maintains a full enrollment.

The departmental Web site at www.molecularbiosciences.ku.edu has information about application procedures and a link for applying directly online. A completed application file must include (1) an application form and fee; (2) one copy of all academic transcripts (international students must provide one copy in English and one in the native language); (3) a one- to two-page résumé; (4) Graduate Record Examination scores (GRE must have been taken within two years of the initial semester); (5) Internet-Based Test of English as a Foreign Language (iBT) scores for international students; (6) three recommendation letters; and (7) a statement of aims describing the applicant’s interests and professional goals.

All files must be complete and received in the department by December 15 each year. First consideration is given to those who meet this deadline. Applicants are informed of decisions after February 15.

Send all requested application materials to
The University of Kansas
Department of Molecular Biosciences
Haworth Hall, 1200 Sunnyside Ave., Room 2034
Lawrence, KS 66045-7566

M.A. Degree Requirements

General Requirements for All M.A. Students. Refer to each discipline for specific course requirements. General requirements include (1) a minimum of 30 hours of graduate credit; (2) a minimum of one laboratory rotation during the first semester of graduate study; (3) enrollment every semester in BIOL 701 Topics in: Molecular Biosciences Seminar; (4) completion of the following courses: BIOL 807 Graduate Molecular Biosciences, and BIOL 818 Techniques in Molecular Biosciences; (5) a graduate committee established by the beginning of the spring semester of the first year; (6) a minimum of one annual graduate committee meeting until completion of the degree. The following thesis options are available:

1. Write a thesis resulting from original research on a laboratory problem.
2. Publish a research paper in a national, refereed journal.
3. Write a library thesis on a topic approved by the student’s graduate committee.

Specific M.A. Requirements: Biochemistry and Biophysics. BIOL 750 Advanced Biochemistry, BIOL 772 Gene Expression, plus electives to satisfy the 30-hour requirement. Electives are determined in consultation with the graduate adviser and graduate committee.

Specific M.A. Requirements: Microbiology. At least three graduate courses are required, selected from BIOL 811 Advanced Molecular and Cellular Immunology, BIOL 812 Mechanisms of Host-Parasite Relationships, BIOL 813 Advanced Bacterial Physiology, BIOL 814 Advanced Molecular Virology, and BIOL 815 Advanced Molecular Genetics; plus electives to satisfy the 30-hour course requirement. No more than 6 of these hours can be below the 700 level. Electives are determined in consultation with the graduate adviser and graduate committee.

Specific M.A. Requirements: Molecular, Cellular, and Developmental Biology. BIOL 752 Cell Biology, BIOL 755 Mechanisms of Development, and either BIOL 753 Advanced Genetics or BIOL 772 Gene Expression, plus electives to satisfy the 30-hour course require-
ment. Electives are determined in consultation with the graduate adviser and graduate committee.

**Ph.D. Degree Requirements**

**General Requirements for All Ph.D. Students.** All general requirements must be fulfilled. Refer to each discipline for specific course requirements. General requirements include (1) at least three individual laboratory rotations during the first two semesters of graduate study; (2) enrollment every semester in BIOL 701 Topics in: Molecular Biosciences Seminar; (3) completion of the following courses: BIOL 807 Graduate Molecular Biosciences, and BIOL 818 Techniques in Molecular Biosciences; (4) a FLORS requirement (satisfied by completion of BIOL 818); (5) a minimum of two semesters of graduate teaching; (6) a graduate committee established before the beginning of the fall semester of the second year; (7) a minimum of one annual graduate committee meeting; (8) a written preliminary examination in the form of a research proposal completed by the end of the spring semester of the second year of graduate study (BIOL 925); (9) a comprehensive oral examination held no later than October 1 of the fall semester of the third year of graduate study (successful completion of the comprehensive oral examination admits the student to candidacy for the Ph.D. degree); (10) a dissertation based on original research presented to the dissertation examination committee for evaluation and presented and defended in a formal public lecture; and (11) completion of the degree in seven years.

**First-year Curriculum for All Students.** First-year courses include BIOL 701 Topics in: Molecular Biosciences Seminar (enrollment required every semester), BIOL 807 Graduate Molecular Biosciences, BIOL 818 Techniques in Molecular Biosciences, and BIOL 985 Advanced Study laboratory rotations (fall and spring semester).

**Specific Ph.D. Requirements: Biochemistry and Biophysics.** BIOL 750 Advanced Biochemistry, BIOL 901 Graduate Seminar in Biochemistry and Biophysics (one semester), BIOL 918 Modern Biochemical and Biophysical Methods, and BIOL 952 Introduction to Molecular Modeling. The graduate committee may recommend that additional courses be taken.

**Specific Ph.D. Requirements: Microbiology.** At least four of the following five graduate courses are required: BIOL 811 Advanced Molecular and Cellular Immunology, BIOL 812 Mechanisms of Host-Parasite Relationships, BIOL 813 Advanced Bacterial Physiology, BIOL 814 Advanced Molecular Virology, BIOL 815 Advanced Molecular Genetics. The graduate committee may recommend that additional courses be taken.

**Specific Ph.D. Requirements: Molecular, Cellular, and Developmental Biology.** BIOL 752 Cell Biology, BIOL 755 Mechanisms of Development, and either BIOL 753 Advanced Genetics or BIOL 772 Gene Expression. The graduate committee may recommend that additional courses be taken.

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**Biological Sciences Courses**

- **Biology Courses**
  - BIOL 500 Biology of Insects (3).
  - BIOL 502 Laboratory in Insect Biology and Diversity (2).
  - BIOL 503 Immunology (3).
  - BIOL 504 Immunology Laboratory (2).
  - BIOL 505 Social Insects (3).
  - BIOL 506 Pathogenic Microbiology (3).
  - BIOL 507 Pathogenic Microbiology Laboratory (2).
  - BIOL 509 Biology of Spiders (3).
  - BIOL 510 Comparative Anatomy (5).
  - BIOL 511 Biology of Spiders Laboratory (1).
  - BIOL 512 General Virology (3).
  - BIOL 513 Virology Laboratory (2).
  - BIOL 514 Principles of Ecology, Honors (3).
  - BIOL 516 Microbial Physiology (3).
  - BIOL 517 Microbial Physiology Laboratory (2).
  - BIOL 518 Microbial Genetics (3).
  - BIOL 519 Microbial Genetics Laboratory (2).
  - BIOL 525 Aquatic Entomology (5).
  - BIOL 533 Biology of Fungi (4).
  - BIOL 536 Cell Structure and Function (Honors) (3).
  - BIOL 540 General Invertebrate Zoology (4).
  - BIOL 545 Evolution of Development (5).
  - BIOL 550 Introduction to Systematics (3).
  - BIOL 555 General Plant Physiology (3).
  - BIOL 560 Histology (3).
  - BIOL 561 Histological Technique (2).
  - BIOL 570 Introduction to Biostatistics (3).
  - BIOL 571 Introduction to Biostatistics Laboratory (2).
  - BIOL 582 Principles of Biogeography (3).
  - BIOL 583 Herpetology (3).
  - BIOL 590 Principles of Embryology (3).
  - BIOL 592 Ichthyology (4).
  - BIOL 593 Ornithology (3).
  - BIOL 594 Forest Ecosystems (3).
  - BIOL 595 Human Genetics (3).
  - BIOL 599 Senior Seminar: (1).
  - BIOL 600 Introductory Biochemistry, Lectures (4).
  - BIOL 602 Plant Ecology (3).
  - BIOL 603 Systematic Botany (3).
  - BIOL 606 Ecological Plant Physiology (3).
  - BIOL 607 Field and Laboratory Exercises in Plant Ecology (2).
  - BIOL 608 Developmental Plant Anatomy (4).
  - BIOL 609 Current Progress in Microbiology (1).
  - BIOL 610 Plant Kingdom (4).
  - BIOL 611 Molecular Systematics and Evolution (4).
  - BIOL 612 Fundamentals of Microbiology (3). NB
  - BIOL 613 Biology of Honeybees (3).
  - BIOL 616 Medical Entomology (3).
  - BIOL 620 Physiological Ecology (3).
  - BIOL 622 Paleontology (3).
  - BIOL 623 Paleontology Laboratory (1).
  - BIOL 625 Behavioral Ecology and Sociobiology (3).
  - BIOL 630 Conservation and Wildlife Biology (3).
  - BIOL 631 Biomolecular Modeling and Simulation (3).
  - BIOL 636 Biochemistry I (3).
  - BIOL 637 Introductory Biochemistry Laboratory (2).
  - BIOL 638 Biochemistry II (3).

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With more than 8 million plant and animal specimens in its collections and support from the National Science Foundation, KU’s Biodiversity Institute ranks among the top five institutions in the nation.

The Kansas Ecological Reserves offer researchers and educators 3,300 acres of diverse habitats, including tallgrass prairie, oldfield, wetland, forest, successional woods, and land in agricultural management.
BIOL 639 Advanced Biochemistry Laboratory (2).
BIOL 640 The Biology and Evolution of Fossil Plants (3).
BIOL 643 Laboratory in Paleobotany (1).
BIOL 644 Comparative Animal Physiology (3).
BIOL 646 Mammalian Physiology (4).
BIOL 647 Mammalian Physiology Laboratory (2).
BIOL 650 Advanced Neurobiology (3).
BIOL 652 Comparative Animal Behavior (3).
BIOL 654 Comparative Animal Behavior Laboratory (1).
BIOL 656 Ecosystem Ecology (3).
BIOL 660 Lake Ecology (3).
BIOL 661 Stream Ecology (3).
BIOL 662 Aquatic Ecology Laboratory (2).
BIOL 664 Vertebrate Biology (3).
BIOL 667 Chemical Communication in Sex, Feeding, and Fighting (3).
BIOL 668 Evolutionary Ecology (3).
BIOL 669 Biology of Freshwater Invertebrates (3).
BIOL 670 Natural History Museum Techniques (2-5).
BIOL 672 Gene Expression (3).
BIOL 673 Cellular and Molecular Neurobiology (3).
BIOL 676 Mammalian Neuroanatomy (3).
BIOL 688 The Molecular Biology of Cancer (3).
BIOL 692 Developmental Genetics (3).
BIOL 694 The Art of Becoming a Professional Scientist (3).
BIOL 695 Animal Communication and Sensory Ecology (3).
BIOL 699 Divisional Honors Research Colloquium (1).
BIOL 700 Conservation Principles and Practices (3). This course will acquaint the future museum professional with problems in conserving all types of collections. Philosophical and ethical approaches will be discussed, as well as the changing practices regarding conservation techniques. Emphasis will be placed on detection and identification of causes of deterioration in objects made of organic and inorganic materials, and how these problems can be remedied. Storage and care of objects will also be considered. (Same as AMS 714, GEOL 780, HIST 722 and MUSE 706.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC
BIOL 701 Topics in: _______ (1-3). Advanced courses on special topics in biology, given as need arises. Lectures, discussions, readings, laboratory, or field work. Students may select sections according to their special interests. LEC
BIOL 702 Laboratory Practice: Radiation Safety Procedures (0.75). An introduction to the basic properties of radioisotopes, and the fundamental safety practices needed for the safe use of low levels of radioactive materials. Risks associated with radiation exposure and applicable state and federal regulations are discussed. (Normally the content of the first ten hours of BIOL 703.) Prerequisite: Senior standing in one of the sciences. LAB
BIOL 703 Radioisotopes and Radiation Safety in Research (1.25). An introduction to the properties of radioactive materials, their applications, and their interaction with matter, methods of radiation detection and measurement, protective measures, applicable state and federal regulations, design and implementation of safety management systems in the research laboratory, design of tracer experiments, and the risks associated with radiation exposure. Prerequisite: BIOL 702 or concurrent enrollment in BIOL 702, algebra and two semesters of either physics or chemistry. LEC
BIOL 704 Research Animal Methods (3). Lectures, discussions, and laboratory sessions. Selection of proper animal models for specific research studies. Various external influences that alter research data. Routine techniques including restraint, sample collection, injection, anesthesia and euthanasia. Prevention and handling of common research animal problems or diseases. Proper and humane animal care as defined by the Federal Animal Welfare Act. Prerequisite: Senior or graduate standing in one of the biological sciences or permission of instructor. LEC
BIOL 706 Current Trends in Curation and Collection Management (2). Seminar course to provide students with a working knowledge of the primary issues and current trends in building, administration, and care of scientific collections. Topics include permits, collecting, accessioning, cataloging, preservation, preventive conservation, and access to collections and data. The course format consists of readings, lectures, guest speakers, discussions, and visits to scientific collections on campus. (Same as MUSE 710.) LEC
BIOL 708 External Morphology of Insects (4). A study of external structure common to all insect orders, with detailed comparative laboratory studies of representative species. Prerequisite: BIOL 500, BIOL 502 or equivalent, or permission of instructor. LEC

Biological Sciences Courses

The Biodiversity Institute studies the life of the planet for the benefit of the earth and its inhabitants, documenting the fantastic diversity of life on earth, uncovering its intricate patterns, telling the grand stories that emerge, and educating the next generation of biodiversity scientists.

BIOL 709 Immature Insects (2). The classification, structure, and ecological distribution of immature insects, especially larvae of Holometabola. Prerequisite: BIOL 502 and consent of instructor. LEC

BIOL 710 Insect Development (3). A study of the embryonic and postembryonic development of insects. Emphasis is placed on developmental physiology of the early embryonic stages, the morphogenesis of organ systems and the action of hormones in postembryonic development. Laboratory includes demonstrations and histological and experimental work. Prerequisite: Consent of instructor or BIOL 500. LEC

BIOL 711 Insect Systematics (4). A study of the diversity of insects, including the classification of all living and fossil orders and the morphological and ecological characteristics of families primarily based on the basis of external morphology. The biology, ecology, phylogeny, and geological history of each order will be covered. Includes both lectures and laboratory exercises. Prerequisite: BIOL 500, BIOL 502 or equivalent, or permission of instructor. LEC

BIOL 712 Evolutionary Biology—Graduate (3). A thorough survey of evolutionary biology. Topics include: the history of evolutionary thought, genetics and the nature of variation, adaptation, speciation, coevolution, macroevolution, the comparative method, and the history of life. Prerequisite: BIOL 500 or equivalent or consent of instructor. LEC

BIOL 714 Community and Ecosystem Ecology (3). Study of factors determining distribution of organisms, community structures, energy flow in ecosystems, and functional analysis of ecosystems. Discussion periods will include reading from current scientific literature. Prerequisite: Intended for graduate students in biology who did not complete their undergraduate course in ecology. LEC

BIOL 716 Insect Physiology and Internal Morphology (3). Emphasizing the interdependence of structure and function, the course deals with the mechanisms and integration of the internal life-supporting systems of insects. Prerequisite: BIOL 502, or BIOL 600 or consent of instructor. LEC

BIOL 717 Insect Ecology and Behavior (3). Lectures and laboratory demonstrations. A study of insect population dynamics, life history strategies, co-evolutionary interactions, foraging, and reproductive and social behaviors. Approaches from basic population biology and behavioral ecology are emphasized. Prerequisite: A course in ecology or biostatistics preferred. LEC

BIOL 718 Laboratory in Molecular Biology (3). Practical experience in recombinant DNA technology and molecular cloning. Given concurrent with BIOL 418. Prerequisite: BIOL 416 or course in biochemistry or microbiology. Training in radiation safety preferred. LAB

BIOL 719 Light and Electron Microscopy (3). A lecture and laboratory class emphasizing the theoretical and practical use of light microscopes and scanning and transmission electron microscopes. A variety of approaches using light microscopy will be employed, including brightfield, phase, fluorescence, DIC, polarization, and darkfield optics. A variety of techniques will be used to prepare specimens and view them using scanning and transmission electron microscopy. Video and computer-aided analysis of images as well as conventional photographic techniques will be included. Prerequisite: Permission of instructor. LEC

BIOL 720 Scientific Illustration (3). Lectures, demonstrations, and studio participation. Instruction in the preparation of illustrations for scientific publications, theses, and oral and poster presentations. Emphasis on basic drafting and layout skills, and pen and ink and tone renderings intended for publication. Attention given to preparation of photographs for publication and oral presentations. Instruction provided in use of specialized optical equipment for drawing. Prerequisite: A course in drawing or graduate standing and permission of instructor. LEC

BIOL 721 Microbial Genetics (3). Bacteria and viruses as models of genetic systems. Mutagenesis and repair. Transformation, transduction, and recombination. Molecular biology of gene expression. This course is the graduate-level section of BIOL 518 and MCRB 510. Graduate students will be assigned additional and more advanced studies. Prerequisite: Consent of instructor or BIOL 500. LEC

BIOL 742 Plant Population Biology (3). A survey of the major areas of plant population ecology and genetics including competition, demography, pollination ecology, gene flow, natural selection and mating systems. Each topic is introduced by a lecture and is further explored by discussion of the current literature. Prerequisite: BIOL 412 or equivalent. LEC

BIOL 743 Population Genetics (3). Description and discussion of genetic variation in natural populations. The effects and interaction of selection, migration, muta- tion, genetic drift, and natural selection. Modern instrumentation, including use of microcomputers, is emphasized. Topics include ecological modeling, ecological genetics, physiological ecology, community structure, mating and reproduction and the history of life. Prerequisite: BIOL 412 or BIOL 414. LAB
BIOL 740 Principles of Systematics (4). Lectures; historical and philosophical foundations of modern systematics; theory and practice of classifications; character analysis; phylogeny reconstruction; formulation and testing of systematic hypotheses; species concepts and specification; the interface between systematics and evolution; practical analysis of the vegetation, with emphasis on the Southwest; distribution of congeneric species, and the evolution of paleontological, ontogenetic, biochemical, and molecular data in systematics; and biogeography; Laboratory work: practical applications of nomenclature, development of keys, descriptions and systematic revisions, character analysis, phylogenetic reconstruction; hypothesis testing, interpretation of biogeographic patterns. (Three hours lecture and two hours laboratory per week.) Prerequisite: BIOL 628 or equivalent. Intended for graduate students planning to specialize in systematics. LEC

BIOL 743 Advanced Genetics (3). A discussion of some of the basic genetic features for which individual gene differences do not separate a population into qualitatively distinct groups. Includes the estimation of heritability, genetic determination, and number of loci, and a study of selection theory. Prerequisite: BIOL 404 or BIOL 412 or equivalent and a course in statistics. LEC

BIOL 749 Topics in Stable Isotopes in the Natural Sciences: (2-3). Isotopic compositions of substances provide powerful insights into many topics in the natural sciences. Applications of isotopic analyses of carbon, hydrogen, oxygen, and nitrogen to selected research topics such as plant resource use, food web analysis, paleoecology, paleoclimate reconstruction, hydrology, and soils genesis will be examined. Knowledge of isotope chemistry is not required. (Concepts necessary to understand pertinent articles will be taught during the first class meetings.) May be repeated. (Same as GEOG 749.) LEC

BIOL 750 Advanced Botany (3). The structures and dynamics of proteins and nucleic acids will be developed in terms of well-understood examples which will also be used to discuss the function of major classes of proteins. The application of structural and dynamical principles to biological membranes and their function will also be discussed. Prerequisite: BIOL 600 or BIOL 808, a general biochemistry course, or permission of instructor. LEC

BIOL 751 Plant Communities of North America (3). Physiognomic and floristic analysis of the vegetation, with emphasis on the Southwest; distribution of common plant species; the effects of climatic, geographical, and disturbance; recognition of dominant elements of vegetation through study of specimens and illustrative material. Prerequisite: BIOL 602. LEC

BIOL 752 Cell Biology (3). A lecture course emphasizing biochemical, developmental, and molecular aspects of cell structure and function. Prerequisite: BIOL 807 and BIOL 808, or BIOL 416 or BIOL 536, or permission of instructor. LEC

BIOL 753 Advanced Genetics (3). An advanced course in modern genetic analysis of eukaryotes. Course material will consist mainly of primary literature in the field of genetics, including cancer genetics; related areas such as genomics and genome structure of mutations; mutant analysis; genetic recombination and mapping; analysis of gene function; genetic buffering; RNAi and epigenetics; and the genetics of model organisms. This course is meant for graduate students in the Molecular Biosciences and Genetics program. Prerequisite: BIOL 807 and BIOL 808, or a course in genetics and a course in biochemistry, or permission of the instructor. LEC

BIOL 754 Brain Diseases and Neurological Disorders (3). Major brain diseases and neurological disorders such as stroke, Alzheimer’s Disease, Parkinson’s Disease, Huntington’s disease, Schizophrenia, Epilepsy, etc., will be discussed in terms of the etiology, molecular and cellular basis of potential therapeutic interventions. Graduate students are required to present original research paper assigned by the instructor to the class in addition to the other assignments for all the students enrolled in the course. Prerequisite: BIOL 580, or permission of instructor. LEC

BIOL 755 Mechanisms of Development (3). Molecular aspects of differential gene function, signal transduction, and cell polarity in the regulation of morphogenesis. Prerequisite: BIOL 807 and BIOL 808 for graduate students; BIOL 417 or equivalent for undergraduate students; or permission of instructor. LEC

BIOL 756 Cell and Tissue Culture Laboratory (3). An introduction to current laboratory methods of cell and tissue culture, intended to provide an understanding of and substantial experience in several aspects of animal cell growth, cell synchrony, cell nutrition, the production and selection of mutant cell lines, the production and use of heterokaryons and interspecies hybrids, cell transformation in vitro, the cultivation and characterization of differentiated cells in culture, enzyme induction, and cell karyotyping. LAB

BIOL 767 The Vegetation of the Earth (3). A discussion of the world’s vegetation in its natural condition and as affected by man. Included are aspects of its economic and cultural usefulness and the problem of its preservation. Prerequisite: BIOL 634. LEC

BIOL 768 Plant Molecular Biology (3). Gene expression in chloroplasts, mitochondria, and plant cells. Current techniques and future strategies. Prerequisites: BIOL 807 and BIOL 808, or a course in genetics and a course in biochemistry, or permission of the instructor. LEC

BIOL 770 Plant Biochemistry (3). A detailed study of plant biochemistry with emphasis on metabolic and regulatory processes particularly characteristic or unique in plants. Prerequisite: BIOL 600 or equivalent. LEC

BIOL 772 Gene Expression (3). A study of the structure and expression of genes in prokaryotes and eukaryotes. Emphasis on the control of transcription and translation. Prerequisite: BIOL 600 or permission of instructor. LEC

BIOL 775 Chemistry of the Nervous System (3). A detailed study of the molecular aspects of nerve transmission will be covered with special emphasis on the uptake, storage, release, biosynthesis and metabolism of specific neurotransmitters. Drugs affecting these processes and current research on receptor isolation and receptor structure will be considered. Prerequisite: BIOL 777, MDM 775, MCB 775, P&TX 775, and PHCH 775.) Prerequisite: BIOL 600 or equivalent or consent of instructor. LEC

BIOL 777 Integrative and Developmental Neurobiology (3). Cellular processing of neural inputs, both at the cellular level and in long distance integration. Local computer circuitry, synaptic computations, and integration of these functions among the various areas to produce coherent movement and perceptions will be discussed. A description of forces guiding the development of the nervous system to form a coherent working system in both vertebrate and invertebrate animals will be presented, as well as considerations of brain sexual dimorphism. Prerequisite: An upper level course in physiology or BIOL 520. LEC

BIOL 780 Fisheries (2). Philosophy and practice of conservation as it applies to major world fisheries. Species principally utilized, factors affecting production, methods for the assessment and management of renewable and non-renewable resources of the fisheries in relation to human food supplies and recreational needs. Prerequisite: BIOL 412. LEC

BIOL 781 Fisheries Laboratory (2). Training in field and laboratory techniques for fishery research and management. Prerequisite: Concurrent or prior enrollment in BIOL 780. LAB

BIOL 782 Principles of Biogeography (3). A synthesis of historical and ecological biogeography of plants and animals, treating vicariance, dispersal, and community patterns; lectures, readings, discussions. A course in systematics and a course in ecology are recommended. LEC

BIOL 783 Herpetology (3). A study of amphibians and reptiles. This lecture course will explore the taxonomic diversity of amphibians and reptiles, and current areas of active research in herpetology. Topics will be considered within a phylogenetic framework, and will include systematics, phylogeny, tetrapod origins, skeletal systems, growth, circulatory system, locomotion, thermal and water regulation, hibernation, ecology, sexual behavior, parental care, and mimicry. Students taking the course at the 700 level will have additional work requirements. Prerequisite: BIOL 717, 718, 719, OR ORN 713. ORN 713, ORN 714, ORN 715, and ORN 716. ORN 716, ORN 717, ORN 718, ORN 719, and ORN 720. ORN 720, ORN 721, ORN 722, ORN 723, and ORN 724. ORN 724, ORN 725, ORN 726, ORN 727, and ORN 728. LEC

BIOL 784 Introduction to Museum Public Education (3). Consideration of the goals of an institution’s public education services, developing programs, identifying potential audiences, developing audiences, and funding. Workshops and demonstrations are designed for students to gain practical experience working with various programs and developing program models. (Same as AMS 789, GEOL 784, HIST 721, and MUSE 702.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

BIOL 785 Museum Management (3). Lecture, discussion, and laboratory exercises on the nature of museums as organizations; accounting, budget cycles, personnel management, and related topics will be presented using, as appropriate, case studies and a simulated museum organization model. (Same as AMS 731, GEOL 783, HIST 728, and MUSE 701.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

BIOL 786 Fundamentals of Tropical Biology (1-8). The tropical environment and biota; ecological relations, communities and evolution in the tropics. Primarily a field course, taught in Costa Rica; two sessions per year, February-March, July-August. FLD

BIOL 787 Introduction to Museum Exhibits (3). This course will consider the role of exhibits as an integrated part of museum collection management, research, and publishing. Lecture and discussion will be focused on issues involved in planning and producing museum exhibits. Laboratory exercises will provide first hand experience with basic preparation techniques. Emphasis will be placed on the management of an exhibit program in both large and small museums in the major disciplines. (Same as AMS 719, GEOL 780, HIST 720, and MUSE 703.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

BIOL 788 The Nature of Museums (3). The purpose of this course is to provide an overview of the kinds of museums, their various missions, and their characteristics and potentials as research, education, and public service institutions responsible for collections of natural and cultural objects. (Same as AMS 720, GEOL 782, HIST 720, and MUSE 702.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

BIOL 789 Field Course in Entomology (1-6). Field experiences in various habitats, with an emphasis in ecology, systematics, behavior, and collection techniques. FLD

BIOL 790 Paleontology of Lower Vertebrates (3). General account of the osteology, geologic distribution, and evolution of the principal groups of fishes, amphibians, reptiles, and birds. Lectures and laboratory. (Same as GEOL 725.) LEC

BIOL 791 Paleontology of Higher Vertebrates (3). Evolutionary history and anatomical modifications involved in the process as ascertained from the fossil record. Lectures and laboratory. (Same as GEOL 726.) LEC

BIOL 792 Ichthyology (4). A study of fishes. Lecture topics include the structure of fish, including fishes; the adaptive radiation of fishes; and a survey of major fish groups with emphasis on evolutionary relationships and biogeography. Laboratory topics include a survey of fishes using specimens, and the use of keys to identify fishes with emphasis on the Kansas fish fauna. A research project using primary scientific resources is required. Prerequisite: Graduate standing or permission of the instructor. LEC

BIOL 794 Mammalogy (3). A study of mammals, with emphasis on systematics, biogeography, and natural history. Lectures, laboratory, and field study. Prerequisite: BIOL 540, BIOL 411, or BIOL 412. LEC

BIOL 795 Biology of Amphibians (3). Evolutionary biology of amphibians with emphasis on systematics, morphology, development, reproductive strategies, and distribution; lectures and laboratory. Prerequisite: BIOL 664 or permission of instructor. LEC

Biological Sciences Courses
BIOL 795 Biology of Reptiles (3). Evolutionary biology of reptiles with emphasis on systematics, morphological, reproductive strategies, and ecology. Lectures and laboratory. Prerequisite: BIOL 664 or permission of instructor. LEC

BIOL 797 Field Course in Vertebrate Paleontology (3-6). Training in the techniques of collecting vertebrate fossils, description and interpretation of the stratigraphy of fossiliferous sequences, and principles of paleoecology and biostratigraphy. FLD

BIOL 798 Principles and Practices of Museum Collection Management (3). Lecture, discussion, and laboratory exercises on the nature of museum collections, their associated data, and their use in scholarly research; cataloging, storage, fumigation, and pest management; museum standards and pitfalls of specimen labeling; and interpretation for museums of art, history, natural history, and anthropology. (Same as AMS 730, GEOL 785, HIST 725, and MUSE 704.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

BIOL 799 Natural History Museum Apprenticeship (1-6). Provides directed, practical experience in collection care and management, public education, exhibits and administration with emphases to suit the particular requirements of each student. Full time for one semester or half time for two semesters. (Same as AMS 799, ANTH 799, HSIT 799, MUSE 799). LEC

BIOL 801 Topics in: (1-3). Advanced courses on special topics in biology, given as need arises. Lectures, discussing readings, laboratory or field work. Students may select sections according to their special interests. LEC

BIOL 802 The Art of Becoming a Professional Scientist (3). Discusses aspects of graduate education that are directed at the post-PHD phases of a career, but that must be initiated early in the graduate student program of study. One 3-hour discussion per week. LEC

BIOL 806 Major Patterns in Insect Evolution (3). Extensive reading and discussion of topics on studies of insect evolution in the evolutionary history of insects, including the fossil history of insects, the monophyly of arthropods, the origin of wings, the changing role of insects in ecological communities, the origins of social behavior, modes and mechanisms of speciation, and patterns of dispersal. Assigned readings. Research projects. Research report. LEC

BIOL 810 Seminar in Biochemistry (1). Presentation and discussion of specific areas of recent research in biochemistry. This course may be taken more than once. LEC

BIOL 811 Advanced Molecular and Cellular Immunology (2). Covers recent advances in immunobiology and immunobiology. Topics include structure and function of antibodies, hybridoma systems, idiotypes, induction and regulation of the immune response through cell interactions and cytokine action, and the role of immune activity in disease states such as hypersensitivity, auto-reactivity, and cancer. Prerequisite: BIOL 807 and BIOL 808, or an introductory course in immunobiology, or consent of instructor. LEC

BIOL 812 Mechanisms of Host-Parasite Relationships (2). Emphasis is on virus-like factors of microorganisms and the host response to infection. Topics will include pathogenesis of intracellular and extracellular parasites, bacterial adhesins, and toxins, and the role of innate and acquired immunity in host resistance and the recognition of infection. Prerequisite: BIOL 807 and BIOL 808, or a course in biochemistry, or consent of instructor. LEC

BIOL 813 Advanced Bacterial Physiology (2). The intermediary reactions catalyzed by the bacterial cell during energy-requiring processes. Thymus differentiation and functions of antibodies, immunobiology, cell and developmental biology, and neurobiology for all Molecular Biosciences graduate students. Topics can include macromolecular structure, metabolism, genetics, bioinformatics, prokaryotic and eukaryotic genetic mechanisms, cell structure and function, signal transduction, bacterial genetics, eukaryotic genetics, immunobiology, immunobiology, and synaptic transmission, and sensory neurophysiology. Prerequisite: Admission to the graduate program in Molecular Biosciences, or consent of instructor. LEC

BIOL 810 Seminar in Biochemistry (1). Presentation and discussion of specific areas of recent research in biochemistry. This course may be taken more than once. LEC

BIOL 814 Advanced Molecular Virology (2). The course concentrates on evaluation of current literature containing all aspects of molecular biology, biochemical characterization, and pathogenic mechanisms involved in host-virus interactions. Students will be expected to present articles and participate in discussions. Prerequisite: BIOL 807 and BIOL 808, or a course in molecular genetics and a course in virology, or consent of instructor. LEC

BIOL 815 Advanced Molecular Genetics (2). A literature-based course that covers recent advances in microbial molecular genetics. Topics include transcription, translation, mutagenesis and repair, genetic exchange mechanisms, and regulation of gene expression. Prerequisite: BIOL 807 and BIOL 808, or a course in microbial genetics, or consent of instructor. LEC

BIOL 818 Techniques in Molecular Biosciences (2). This course provides an introduction to common techniques used for research strategies in molecular biology. Students will attend common techniques such as, i.e., cell culture techniques, cell biology, immunology, microbiology, and neurobiology. Information will be presented in lectures and through practical demonstrations. This course is primarily intended for first-year graduate students in the Department of Molecular Biosciences. Prerequisite: Enrollment in the Molecular Biosciences Graduate Program or consent of instructor. LEC

BIOL 840 Scientific Communication (2). Principles of English communication skills for the professional scientist. The course explores the form, function, and practice (including ethics) of scientific communication, emphasizing elements of writing and speech that are important to clarity and precision. The course covers written and verbal communication of primary research results as well as composing correspondence, a curriculum vitae, reviews, etc. Prerequisite: Graduate standing. LEC

BIOL 841 Biometry I (5). The application of statistical methods to data from various fields of biological research. Special emphasis is placed on practical computational procedures. Prerequisite: College algebra. LEC

BIOL 842 Biometry II (5). This course is primarily devoted to special advanced topics in analysis of variance, analysis of covariance, time series analysis and multiple regression. Polynomial regression and multiple linear regression will be presented as will the general linear model. Elementary matrix algebra will be developed as needed. Prerequisite: BIOL 841. LEC

BIOL 847 Phylogenetics (3). An introduction to the theory and practice of phylogenetic trees. Includes construction of cladograms and determination of character polarity, testing alternate phylogenetic trees, and reconstructing trees using computer techniques. Also includes principles of constructing phylogenetic classifications and the nature of taxonomic and familial principles of classification by biogeography are included. Prerequisite: Twenty hours natural history. LEC

BIOL 848 Phylogenetic Methods (4). A survey of methods for inferring phylogenetic trees from character data and using phylogenies to address evolutionary questions. Lectures will present the principles and methodology of phylogenetic methods. Computer lab will familiarize students with software that implements the analyses discussed in lecture. Intended for graduate students specializing in systematics. Prerequisite: BIOL 845 and BIOL 841 or consent of instructor. LEC

BIOL 872 Gene Expression II (3). Second semester of a two-semester lecture course on gene expression. Emphasis on control of gene expression at the transcriptional and post-transcriptional levels. Prerequisite: BIOL 772 or consent of instructor. LEC

BIOL 888 Topics in Evolutionary Morphology: (3-6). Emphasis is on selected topics in morphogenesis, and changes in structure and function of organisms from a phylogenetic point of view. Presentation will include results of original research when possible and appropriate, and otherwise, will be based on syntheses of recent literature. RSF

BIOL 900 Advanced Study in Microbiology (1-10). Advanced study of topics in microbiology. Training in the techniques of research by students at the master’s degree level. Prerequisite: Ten or more hours of microbiology and consent of department. RSF

BIOL 895 Human Genetics (3). A lecture course providing balanced coverage of Mendelian genetics and human genetics. Summarizes current research on topics in neurobiology. Extensive student/faculty interaction is emphasized utilizing lectures, class discussion of assigned readings of research reports, and oral presentations. Prerequisite: Enrollment in graduate school, and departmental permission. SEM

BIOL 902 Graduate Seminar in Molecular, Cellular, and Developmental Biology (1). Advanced course examining current research topics in molecular, cellular, and developmental biology. Extensive student/faculty interaction is emphasized utilizing lectures, class discussion of assigned readings of research reports, and oral presentations. Prerequisite: Enrollment in graduate school, and departmental permission. SEM

BIOL 903 Graduate Seminar in Neurobiology (1). Advanced course examining current research topics in neurobiology. Extensive student/faculty interaction is emphasized utilizing lectures, class discussion of assigned readings of research reports, and oral presentations. Prerequisite: Enrollment in graduate school, and departmental permission. LEC

BIOL 904 Graduate Seminar in Immunobiology (1-10). Research which is to be incorporated into an M.A. thesis. Not more than ten hours may be earned. THE

BIOL 901 Graduate Seminar in Biochemistry and Biophysics (1). Advanced course examining current research topics in biochemistry and biophysics. Extensive student/faculty interaction is emphasized utilizing lectures, class discussion of assigned readings of research reports, and oral presentations. Prerequisite: Enrollment in graduate school, and departmental permission. SEM

BIOL 905 Advanced Molecular Genetics (1-3). A review of current literature in molecular genetics. RSH

BIOL 906 Advanced Genetics (1-3). May be repeated for credit up to six hours. Review of current literature and genetic theory of selected topics such as population, molecular, quantitative, and physiological genetics. RSH

BIOL 911 Research Topics in Plant Physiology and Biochemistry (1-6). Directed research on selected topics. Prerequisite: BIOL 770 or equivalent. RSH

BIOL 918 Modern Biochemical and Biophysical Methods (4). This course emphasizes the use of techniques for solving problems of structure and function of biological macromolecules. Students will complete several modules that consist of lectures relating to therapeutic and practical aspects of each methodological approach, and apply these techniques to solving a specific problem. Students will submit a protocol describing the inclusion. Prerequisite: BIOL 807, BIOL 808, and BIOL 818, or permission of instructor. LEC

BIOL 925 Research Grant Proposal Preparation (3). Formats, strategies, and styles of research grant proposal writing. Prerequisite: Completion of three semesters of the biology or genetics program graduate curriculum, or consent of instructor. LEC

BIOL 930 Ultrastructure and Cellular Mechanisms (3). Two lectures and one seminar-recitation. A detailed consideration of electron microscopic analyses of cellular structures and processes essential to cell function. Prerequisite: BIOL 417. LEC

BIOL 943 Multivariate Data Analysis (3). Matrix formulation of multivariate models and data. Specific methods covered include Principal Components Analysis, Factor Analysis, Multiple Group Discriminant Analysis and Canonical Analysis, and Canonical Correlation Analysis. Prerequisite: BIOL 842 or knowledge of elementary matrix algebra. LEC
BIOL 944 Topics in Quantitative Ecology: _____ (1-3). Presentation and discussion by instructor and students of mathematical and statistical concepts in ecology. Topics are selected from texts or sets of readings. LEC

BIOL 950 Evolutionary Mechanisms (3). Reading and discussions of evolutionary mechanisms from the genetic, ecologic, and systematic viewpoints. Prerequisite: BIOL 412. LEC

BIOL 952 Introduction to Molecular Modeling (3). Introduction to theory and practice of contemporary molecular modeling, including molecular mechanics, molecular dynamics, computer graphics, data analysis, use of structure and sequence databases, docking, and homology modeling. Weekly computer laboratory section aimed at allowing participants to pursue independent research projects that incorporate modeling aspects. Lectures, laboratory manuals, program descriptions, and technical notes are presented on course Web page. (Same as MDCM 502.) Prerequisite: Graduate standing or consent of instructor. LEC

BIOL 968 Seminar in Vegetation Geography (2-3). (Same as GEOG 937.) LEC

BIOL 985 Advanced Study (1-10). Individual investigations; laboratory, field or museum; or reading assignments in specialized topics not ordinarily treated in other courses. RSH

BIOL 999 Doctoral Dissertation (1-12). Original research that is to be incorporated into a Ph.D. dissertation. THE

Environmental Studies Courses


EVRN 528 Environmental Justice and Public Policy (3).

EVRN 542 Ethnobotany (3).

EVRN 550 Environmental Economics (3).

EVRN 553 Comparative Environmental Politics (3).

EVRN 562 United States Environmental History in the 20th Century (3).

EVRN 563 U.S. Environmental Thought in the 20th Century (3).

EVRN 611 Water Quality, Land Use, and Watershed Ecosystems (3).

EVRN 615 Capstone Project (3).

EVRN 620 Environmental Politics and Policy (3).

EVRN 624 Independent Study (1-9).

EVRN 625 Honors Research in Environmental Studies (3).

EVRN 656 Ecosystem Ecology (3).

EVRN 701 Climate Change, Ecological Change, and Social Change (3). This interdisciplinary graduate seminar examines the history of climate change from natural and physical science, social science, and humanities perspectives. The class explores the ways that different disciplines approach understanding climate change and its impact on natural and human systems and how these understandings have changed over time. The course is team-taught by faculty from the natural and physical sciences, social sciences, humanities, and professional schools, and will include faculty guest speakers from KU and off-campus. Students will write a research paper on a climate change topic of their choice that reflects the historical and interdisciplinary approaches of the seminar. A goal of the seminar is to assemble student papers for presentation and possible publication. Prerequisite: Consent of instructor. LEC

EVRN 702 Energy, Ecology, and Community in Kansas (3). This interdisciplinary graduate seminar examines the role of climate in shaping energy, ecology, and community in Kansas from natural and physical science, social science, and/or humanities perspectives. The class will combine lectures, group projects, and field research to understand the ways that climate change and energy production are reshaping the human and natural systems in Kansas and the Great Plains. The course is team-taught by faculty from the natural and physical science, social science, humanities and professional schools, and will include faculty guest speakers from KU and off-campus. Students will identify and design a service learning project that combines issues of climate, energy, and community, and will use a variety of interdisciplinary tools including modeling, remote sensing, and scaling to complete their project and present their findings to local stakeholders. Prerequisite: Consent of instructor. LEC

EVRN 720 Topics in Environmental Studies: _____ (3). Courses on special topics in Environmental Studies. These courses may be lecture, seminars, or readings. Students may enroll in more than one interest group but may enroll in a given interest group only once. LEC

Bosnian/Croatian/Serbian

See Slavic Languages and Literatures.

Botany

See Biological Sciences: Ecology and Evolutionary Biology.

Chemistry

Chair: Joseph A. Heppert, jheppert@ku.edu
Malott Hall, 1251 Wescoe Hall Dr, Room 2010
Lawrence, KS 66045-7572, www.chem.ku.edu, (785) 864-4632

Associate Chair, Graduate Programs: Brian B. Laird, blaird@ku.edu, 6084 Malott Hall, (785) 864-4632

Professors: Bowman-James, Busch, Carlson, Chu, Dunn, Givens, Hanson, Heppert, Hier, C. Johnson, Kuczera, Laird, C. Lunte, S. Lunte, Rivera, Wilson

Professors Emeriti: Burgstahler, Everett, Harmony, Huyser, Iwamoto, Kuwana, Landgrebe, K.B. Schowen, R. Schowen

Associate Professors: Barrybin, Benson, Berrie, Desaire, Malinakova, Thompson, Tunge

Assistant Professors: Jackson, M. Johnson, Mure, Rubin, Weis

The department’s graduate program, its Ph.D. program in particular, produces graduates with the basic knowledge, skills, and experimental training necessary to enter productive careers in academic, industrial, and government positions. Faculty and graduate students work collegially, not only in the search for new knowledge at the frontiers of chemistry, but also toward the solution of problems of fundamental societal concern. Although the department believes it is essential to provide graduate students with a knowledge base spanning the traditional areas of analytical, inorganic, organic, and physical chemistry, it nurtures its particular strengths in several important research areas at the interface of chemistry and the biological/medical sciences. The Department of Chemistry at KU is a worldwide leader in graduate training and research in bioanalytical chemistry, and its additional interactions with the pharmaceutical and biological sciences have led to strong graduate research programs in diverse areas such as bio-inorganic, bio-organic, and biophysical chemistry. The department also recognizes its central science role by maintaining strong research and Ph.D. programs in areas that interface closely with molecular biosciences, physics, chemical engineering, mathematics, and computer science, for example, in drug discovery, theoretical chemistry, materials, molecular modeling, and laser spectroscopy. The entering Ph.D. student can be assured of finding vigorous programs spanning a full range of chemical studies, and the graduating Ph.D. student can be equally confident that his or her training and skills are marketable commodities.

The department’s M.S. program is a traditional companion to the Ph.D. program and shares the same goals. It is encouraged for students who prefer a program with less depth and a research (thesis) project that is manageable in two to four semesters. Although most entering graduate students choose the Ph.D.—the most desirable degree for those who wish to work as independent scientists in academic, industrial, or institutional settings—the M.S. serves a useful and essential role for students with other ambitions.

Research support facilities include the Biochemical Research Service Laboratory, Instrumentation Design Laboratory, Mass Spectrometry Laboratory, Molecular Graphics and Modeling Laboratory, Nuclear Magnetic Resonance Laboratory, X-ray Crystallography Laboratory, and Glassblowing Shop. Anschutz Library contains more than 300,000 books and periodicals spanning the fields of chemistry, biochemistry, physics, geology, and pharmacy.

Admission

Prerequisites. Before beginning graduate work, students should have completed a bachelor’s degree in chemistry or a related field.

Application. To apply for admission, students must submit a completed graduate application, one transcript, Graduate Record Examination scores (strongly encouraged), and three recommendations from individuals familiar with the applicant’s academic background and abilities. International applicants must supply scores from the Test of English as a Foreign Lan-
guage. It is strongly recommended that international applicants submit scores from the Internet-based TOEFL-IBT rather than the paper-based TOEFL-PBT. Applications should be received by April 15 to be considered for fall semester.

To apply, complete the appropriate chemistry department online inquiry form at www.chem.ku.edu/graduate. From there, you will be directed to the online graduate application form at www.graduate.ku.edu. Send all other requested application materials to:

The University of Kansas
Department of Chemistry
Malott Hall, 1251 Wescoe Hall Dr., Room 2010
Lawrence, KS 66045-7572

Procedure. A committee of departmental faculty members reviews application materials. Admission as a regular graduate student is based on an expectation that the applicant (1) will complete the courses listed in the Prerequisites section before enrollment in the graduate program, (2) will attain a grade-point average of B or higher in chemistry and all other natural science and mathematics courses, and (3) will fulfill general admission requirements. There must also be a favorable evaluation of the other application materials.

M.S. Degree Requirements
The master’s degree requires a minimum of 30 credit hours. Each student must take a distribution requirement of at least one graduate course in three of the five major disciplines (analytical, biochemistry, inorganic, organic, and physical) by the end of the first year.

The candidate for the master’s degree must complete a thesis that does not exceed one-third of the credit hours and demands the solution of some research problem in chemistry. The remaining work may consist of additional specialized courses in chemistry or in related fields such as physics, mathematics, microbiology, biochemistry, or chemical engineering. Students completing a master’s thesis in chemical education must take PRE 715 Understanding Research in Education and PRE 710 Introduction to Statistical Analysis. Courses from outside the department cannot be from more than two departments.

At the time of the completion of the thesis, a candidate for the master’s degree must pass an oral thesis defense (examination) administered by a committee of three members of the department’s Graduate Faculty.

A reading knowledge of a foreign language or a research skill in computer science or electronics techniques is recommended but not required.

Ph.D. Degree Requirements
In addition to completing the same first-year distribution requirement as for the master’s degree, the Ph.D. aspirant must complete all the advanced courses required in the specialization, which are analytical, inorganic, organic, physical, bioanalytical chemistry, or chemical education. The aspirant also must fulfill the following requirements:

1. Each student in the Ph.D. program is expected to complete at least one special requirement such as a foreign language or electronic, computer, or library bibliographic skill.

2. Before taking the oral comprehensive examination for the Ph.D., each student must accumulate a total of 8 points on cumulative examinations within two years after entering graduate studies (four semesters, not including summers). A grade of Pass is worth 2 points and a Fail is worth 0 points. During the first year only, two borderline or marginal performances may receive 1 point each. Six points must be in the student’s major area, except for students in chemical education, who need 4 points in chemical education and 4 points in the chosen traditional research area. Students who do not accumulate 8 points within two years are not allowed to continue in the Ph.D. program.

3. A comprehensive oral examination must be completed. The student must prepare a written, original research proposal before the examination is scheduled. The proposal must be presented and defended orally at the examination; however, the examination is comprehensive in nature. The student must be prepared for questions on a range of topics in the discipline. It should be noted that requirements (1) and (2) must be completed before the comprehensive oral examination can be taken. Failure to pass the oral examination before the beginning of the fourth year of graduate study leads to ineligibility for support by departmental or research funds.

4. A dissertation based on original work of high quality in one of the principal fields of chemistry must be completed.

5. A final oral examination and defense of the dissertation must be completed.

For further details, see the general requirements for the Ph.D. degree in the General Information chapter of this catalog.

Chemistry Courses
CHEM 516 Analytical Chemistry (3).
CHEM 517 Analytical Chemistry Laboratory (2).
CHEM 598 Research Methods (3).
CHEM 622 Fundamentals of Organic Chemistry (3).
CHEM 624 Organic Chemistry I (3).
CHEM 625 Organic Chemistry I Laboratory (2).
CHEM 626 Organic Chemistry II (3).
CHEM 627 Organic Chemistry II Laboratory (2).
CHEM 628 Organic Chemistry I, Honors (3).
CHEM 630 Organic Chemistry II, Honors (3).
CHEM 631 Biomolecular Modeling and Simulation (3).
CHEM 635 Instrumental Methods of Analysis (2).
CHEM 636 Instrumental Methods of Analysis Laboratory (2).
CHEM 640 Biological Physical Chemistry (3).
CHEM 641 Biological Physical Chemistry Laboratory (2).
CHEM 646 Physical Chemistry I (3).
CHEM 647 Physical Chemistry I Laboratory (2).
CHEM 648 Physical Chemistry II (4).
CHEM 649 Physical Chemistry II Laboratory (2).
CHEM 667 Systematic Inorganic Chemistry (3).
CHEM 668 Advanced Inorganic Laboratory (2).
CHEM 680 Topics in Chemistry: ____ (1-5).
CHEM 690 Environmental Chemistry (3).
CHEM 696 Junior/Senior Seminar (1).
CHEM 698 Undergraduate Research Problems (1-6).
CHEM 699 Undergraduate Honors Research (2-6).
CHEM 711 Applied Electronics for Scientists (4). Lecture and laboratory course for chemists and other scientists or engineers with little or no background in electronics who need a working knowledge of electronic devices, circuits, and instru-
CHEM 716 Practicum in Facilitating Learning in the Chemistry Laboratory (1). The course provides discussions on the diverse group of undergraduates, the laboratory curriculum, and teacher evaluation techniques. Prerequisite: CHEM 516 or the equivalent, one year of physics; limited enrollment, see instructor. LEC

CHEM 718 Mathematical Methods in Physical Sciences (3). Review of all complex variable theory; introduction to the partial differential equations of physics; Fourier analysis; and special functions of mathematical physics. (Same as PHYS 718.) Prerequisite: Two semesters of undergraduate mathematics, calculus. LEC

CHEM 720 Bibliography of Chemistry (1). A course on the use of the library as a research tool and the study of bibliographic techniques of literature searching. Emphasis on the literature of chemistry. Prerequisite: Consent of department. LEC

CHEM 737 Coordination and Organometallic Chemistry (3). An examination of the basic foundations of coordination chemistry and organometallic chemistry including symmetry methods, bonding, magnetism, and reaction mechanisms. Prerequisite: Undergraduate chemistry and one semester of physical chemistry in which quantum chemistry is introduced. The latter course may be taken concurrently with CHEM 737. LEC

CHEM 740 Principles of Organic Reactions (3). A consideration of the structural features and driving forces that control the course of chemical reactions. Topics will include: nuclear and organic reactions; mechanisms and kinetics; spectroscopy; qualitative aspects of strain, steric, inductive, resonance, and solvent effects on reactivity; stereochemistry; and conformations; an introduction to orbital symmetry control; basic thermodynamic and kinetic concepts; and an overview of some important classes of mechanisms. Prerequisite: Two semesters of undergraduate organic and one semester of physical chemistry or concurrent enrollment. LEC

CHEM 742 Physical Organic Chemistry (1). An examination of the methods used to probe the mechanisms of organic reactions and of the chemistry of some important reactive intermediates. Topics will include isotope effects, kinetics, linear free energy relationships, solvent effects, a continuing discussion of orbital symmetry, rearrangements, carbonations, carbanions, carbones, radicals, excited states, and strained molecules. Prerequisite: CHEM 740. LEC

CHEM 750 Quantum Chemistry and Spectroscopy (3). An introductory study of the application of quantum mechanics to atomic and molecular systems. Includes an introduction to the basic principles of quantum theory, description of electronic structure of atoms and molecules, and the foundations of spectroscopy. Contains a brief presentation of group theory and its applications to the analysis of molecular symmetry, spectra and structure. Prerequisite: Two semesters of physical chemistry. LEC

CHEM 752 Statistical Thermodynamics (3). Thermodynamics and introduction to equilibrium statistical thermodynamics with emphasis on problems of chemical interest. The course consists of two roughly equal parts: 1) An advanced overview of the laws and concepts of thermodynamics with application to specific problems in phase and chemical equilibria and 2) An introduction to equilibrium statistical mechanics for both classical and quantum systems. Prerequisite: CHEM 750 or equivalent. LEC

CHEM 754 Chemical Kinetics and Dynamics (3). Chemical kinetics and introduction to chemical reaction dynamics. The course consists of two parts: 1) An advanced overview of chemical kinetics including reaction mechanisms and rate laws with applications to unimolecular and bimolecular reactions, catalysis, and energy transfer, and 2) An introduction to reaction rate theory including transition state theory. Marcus electron transfer theory, and collision theory. Prerequisite: CHEM 750 or its equivalent. LEC

CHEM 763 Organic Synthesis I (3). A discussion of fundamental reactions for the formation of carbon-carbon bonds, oxidation, reduction, and functional group interchange. Prerequisite: CHEM 740. LEC

CHEM 766 Spectroscopic Identification of Organic Compounds (3). The use of techniques such as infrared, nuclear magnetic resonance, and ultraviolet spectroscopy, and mass spectrometry in elucidating the structure of organic molecules. Lecture and workshop course. Prerequisite: CHEM 626 and CHEM 627, or CHEM 707. LEC

CHEM 767 Advanced Laboratory Techniques for the Preparation and Purification of Compounds (3). A laboratory course that includes many of the important procedures and techniques of organic synthesis. Prerequisites: CHEM 627 or permission of instructor. LEC

CHEM 775 Chemistry of the Nervous System (5). A study of the overall concept of central nervous system functioning. A brief introduction to neuroanatomy and neurophysiological techniques as well as a relatively detailed discussion of the chemistry of neurotransmission. (Same as BIO 775, NEURO 775, and PHCH 775.) Prerequisite: One year of undergraduate organic chemistry. LEC

CHEM 801 Analytical Chemistry Colloquium (1). Review of important aspects of analytical chemistry not covered in the regular graduate courses. LEC

CHEM 803 Chemical Education Colloquium (1). Colloquia in various topics of current interest presented by students, faculty, and visiting scholars. LEC

CHEM 807 Inorganic Chemistry Colloquium (0-1). Review of important aspects of inorganic chemistry not covered in the regular courses. LEC

CHEM 810 Physical Chemistry Colloquium (1). Colloquia on various topics of current interest are presented by students, faculty, and visiting scientists. LEC

CHEM 811 Organic Chemistry Colloquium (1). Credit on presentation of colloquium. LEC

CHEM 812 Chemical Seminar (1-2). Individual study of certain advanced phases of chemistry not covered in the regular graduate courses. Open to advanced graduate students. LEC

CHEM 899 Master’s Thesis (1-10). Research work (either experimental or theoretical) in chemistry for students working toward the M.S. degree. THE

CHEM 901 Advanced Analytical Chemistry Colloquium (1). Review of important aspects of analytical chemistry not covered in the regular graduate courses. Open to advanced graduate students. LEC

CHEM 902 Inorganic Preparations (2-4). A laboratory course covering a variety of advanced preparative techniques used in inorganic chemistry. Prerequisite: CHEM 737 or equivalent. LEC

CHEM 903 Electrical Methods of Analysis (2). An advanced treatment of selected electrochemical techniques and methodology. The theory is augmented by applied laboratory work. Prerequisite: CHEM 731 or its equivalent. LEC

CHEM 904 Analytical Separations (3). An advanced treatment of analytical separations techniques. The theory of separation science will be augmented with discussion of practical aspects of instrumentation and design experiment. Prerequisite: CHEM 731 or permission of instructor. LEC

CHEM 906 Advanced Topics in Inorganic Chemistry (2-3). A course covering various special topics in inorganic chemistry. An announcement of course content and prerequisites will be made at the end of the previous semester. This course may be taken more than once. LEC

CHEM 907 Advanced Inorganic Chemistry Colloquium (1). Review of important aspects of inorganic chemistry not covered in regular courses. Open to advanced graduate students. LEC

CHEM 908 Spectrochemical Methods of Analysis (3). Lecture and laboratory course; general concepts of encoding chemical information as electromagnetic radiation; major instrumental systems for decoding, interpretation, and presentation of optical information; atomic emission and absorption spectroscopy; ultraviolet, visible, infrared, and microwave absorption; molecular luminescence; scattering methods; mass spectrometry; magnetic resonance; automated spectrometric systems. Prerequisite: CHEM 731 and CHEM 750. LEC

CHEM 909 Advanced Physical Chemistry Colloquium (1). Colloquia on various topics of current interest are presented by students, faculty, and visiting scientists. Open to advanced graduate students. LEC

CHEM 911 Advanced Organic Chemistry Colloquium (1). Credit on presentation of a colloquium. Open to advanced graduate students. LEC

CHEM 912 Advanced Chemical Seminar (1). The individual study of certain advanced phases of chemistry not offered in the regular graduate courses. Open to advanced graduate students. RSH

CHEM 913 Chemical Kinetics (2-3). A study of the rates of chemical reactions in terms of the classical collision theory, transition-state theory and introductory scattering theory. Topics from the mechanism of gas and liquid phase reactions, fast reactions in solutions, molecular and ionic beam reactions, photochemistry, and other areas of current interest will be discussed. Prerequisite: CHEM 752 or its equivalent. LEC

CHEM 914 Computational Methods in Physical Sciences (3). Advanced computer applications in physical science: computer algorithms and visualization of problem organization and solution by numerical and other methods with examples from physics, astrophysics, and other physical sciences. Students will design, write, validate, and document programs to solve problems of interest. Prerequisite: CHEM 785 and PHYS 815.) Prerequisite: Six hours of computer science courses numbered 300 or above, and six hours of physics and/or astronomy courses numbered 300 or above. LEC

CHEM 915 Intermediate Quantum Mechanics (3). The mathematical and physical principles of quantum chemistry including vector spaces, operators and operator algebra, group theory, eigenvalue problems, postulates of quantum mechanics, the Schrodinger equation, angular momentum, approximation methods, and atomic and molecular systems. Prerequisite: CHEM 750 or its equivalent. LEC

CHEM 916 Molecular Spectroscopy (3). Quantitative molecular spectroscopy and its chemical applications. The basic principles of the molecular energy levels, selection rules and spectral transition intensities, and spectral interpretation will be discussed and applied to nuclear and electron magnetic resonance, rotational, vibrational, vibration-rotation, Raman, electronic and Mossbauer spectroscopy. Prerequisite: CHEM 750 or its equivalent. LEC

CHEM 917 Advanced Statistical Mechanics (3). Advanced equilibrium statistical mechanics and introduction to nonequilibrium statistical mechanics. Topics include: the theory of liquids, critical phenomena linear response theory and time correlation functions, Langevin dynamics, and molecular hydrodynamics. (Same as PHYS 971.) Prerequisite: CHEM 909 or equivalent. LEC

CHEM 918 Advanced Quantum Mechanics (3). An advanced discussion of the principles and methods of quantum mechanics and recent development of quantum electrodynamics. Prerequisite: CHEM 913 or equivalent. LEC

CHEM 919 Advanced Topics in Physical Chemistry: (1-3). A discussion of special topics such as group theory, chemical bonding theory, microwave spectroscopy, electron paramagnetic resonance, mass spectrometry, X-ray crystallography, nuclear chemistry, radiation chemistry, high temperature chemistry, biophysical chemistry, irreversible thermodynamics, transport phenomena, scattering theory, etc. One or more topics will be covered in a given semester and an announcement of the course content and prerequisites will be made at the end of the previous semester. This course may be taken more than once. LEC
CHEM 920 Mass Spectrometry (3). An introduction to mass spectrometry. The various ionization techniques and mass analyzers will be discussed, and many examples of different mass spectrometric applications will be introduced. Prerequisite: CHEM 731 or permission of instructor. LEC

CHEM 925 Bioanalysis (3). A course covering important aspects in modern chemical mass spectrometric techniques emphasizing the applications to the analysis of biological samples. Prerequisite: completion of undergraduate mass spectrometry course. LEC

CHEM 959 Advanced Topics in Analytical Chemistry: . (3). A course covering special advanced topics in analytical chemistry not included in other graduate courses. An announcement of course content and prerequisites will be made at the end of the previous semester. This course may be taken more than once. LEC

CHEM 963 Organic Synthesis II (3). A survey of important techniques in organic synthesis with respect to scope, limitations, mechanism, and stereochemistry. Emphasis will be placed on new synthetic methods and application of such methods to the synthesis of structurally interesting compounds, particularly natural products. Prerequisite: CHEM 763. LEC

CHEM 966 Physical Organic Chemistry II (3). A detailed consideration of the mechanistic features of some important classes of organic reactions. Discussions will include an examination of molecular orbital theory, linear free energy relationships, and acid-base catalysis. Prerequisite: CHEM 742 and one semester of physical chemistry. LEC

CHEM 971 Advanced Topics in Organic Chemistry: . (2-4). A discussion of special topics such as free radical chemistry, heterocyclic compounds, isotope effects, molecular orbital theory, natural products, photochemistry, polymer chemistry, reactive intermediates, solution kinetics, linear free energy relationships, and spectroscopic methods. One or more topics will be covered in a given semester and an announcement of the course content and prerequisites will be made at the end of the previous semester. This course may be taken more than once. LEC

CHEM 980 Advanced Topics in Chemical Education: . (2-3). A course covering special advanced topics in chemical education. Prerequisite: CHEM 731 or permission of instructor. LEC

CHEM 981 Research (1-10). Original investigation on the graduate level. Prerequisite: Forty hours of chemistry including appropriate preparation in the field of specialization. RSH

CHEM 982 Inorganic Structure and Mechanisms (3). The use of quantum theory and group theory in interpreting bonding and physical and chemical properties in inorganic compounds. Mechanistic aspects of transition metal chemistry including substitution reactions, electron transfer reactions, rearrangement reactions, ligand reactions and inorganic photochemistry. Prerequisite: CHEM 737. LEC

CHEM 984 Physical Methods (3). A survey of modern spectroscopic and non-spectroscopic physical methods in chemistry with emphasis on methods applicable to inorganic compounds. For each method, a brief introduction to underlying theoretical principles will be given and examples of applications from the literature will be discussed in detail. Prerequisite: CHEM 982. LEC

CHEM 996 Bioinorganic and Catalytic Chemistry (3). A survey of metalloproteins and metalloenzymes and their structures and functions, including recent advances in biomimetic modeling. Principles and applications of heterogeneous and homogeneous catalytic processes emphasizing catalysis at transition metal centers. LEC

CHEM 991 Postdoctoral Research in Chemistry (1-3). Advanced level research in collaboration with a faculty member involving projects in chemistry or related areas. Prerequisite: Doctoral degree or equivalent in an appropriate related area and consent of instructor. RSH

CHEM 996 College Teaching Experience in Chemistry (3). A student will engage in a semester-long planned instructional activity that shall include college classroom teaching under supervision. The planning will be done with the adviser and/or member of the faculty who will supervise the experience. The activity will be done under the supervision of a Chemistry department faculty member or by an individual or individuals designated by the candidate’s committee. Prerequisite: 1) CHEM 716, 2) two semesters as a graduate teaching assistant or doctoral candidate status, and 3) CHEM 980 or permission of coordinator. LEC

CHEM 999 Doctoral Dissertation (1-10). Research work (either experimental or theoretical) in chemistry for students working toward the Ph.D. degree. THE

Child Language

Director: Mabel L. Rice, mabel@ku.edu
Dole Human Development Center, 1000 Sunnyside Ave., Room 3031
Lawrence, KS 66045-7561, www.clp.ku.edu, (785) 864-0748
Graduate Adviser: Susan J. Kemper, skemper@ku.edu,
3088D Dole Human Development Center, (785) 864-0748
Participating Faculty Members: Atchley (Psychology), Auer
(Speech-Language-Hearing; Sciences and Disorders), Barlow
(Speech-Language-Hearing; Sciences and Disorders), Brady
(Speech-Language-Hearing; Sciences and Disorders), Cats
(Speech-Language-Hearing; Sciences and Disorders), Colombo
(Psychology), Fey (Hearing and Speech), Fiorentino (Linguistics),
Gabriele (Linguistics), Greenhout (Psychology), Jongman
(Linguistics), Kemper (Psychology), Loeb (Speech-Language-
Hearing; Sciences and Disorders), McCluskey-Fawcett
(Psychology), Pye (Linguistics), Rice (Speech-Language-Hearing:
Sciences and Disorders), Rosen (Linguistics), Sereno (Linguistics),
Simon (Psychology), Storkel (Speech-Language-Hearing:
Sciences and Disorders), Vitevitich (Psychology), Warren
(Applied Behavior Analysis)

Professors Emeriti: Hart (Bureau of Child Research, Institute for Life Span Studies), Schiefelbusch (Speech-Language-Hearing: Sciences and Disorders), Yamamoto (Linguistics, Anthropology)

The graduate program in child language offers the first specialized degree in this new area of study. The program crosses traditional academic boundaries to give students the theoretical, empirical, and methodological competence necessary to study basic and applied issues in language acquisition. This multidisciplinary program is a cooperative endeavor of faculty members from the Departments of Applied Behavioral Science, Linguistics, Psychology, and Speech-Language-Hearing: Sciences and Disorders.

Students study four areas: (1) core theoretical and experimental work on language acquisition, (2) relevant methods and theories in linguistics and psycholinguistics, (3) theoretical perspectives on developmental psychology, and (4) the nature of disordered language development and methods and techniques for language intervention. Each student is advised by a support committee of three faculty members. Enrollment in a prosemnar in language acquisition is required of all students in addition to participation in research activities. Opportunities for individual research projects include the projects of participating faculty members and the research teams of the Schiefelbusch Institute for Life Span Studies, the Speech-Language-Hearing Clinic, and the clinical/research facilities of KU Medical Center.

Graduates are candidates for teaching and research positions, clinical positions providing service to communicatively disabled persons, and research work in business and governmental sectors.

The child language doctoral program reports to the College of Liberal Arts and Sciences in collaboration with participating departments. The 22-member faculty is drawn from the participating departments. The Institute for Life Span Studies provides additional instructional, research, and clinical experiences.

Admission

Students must submit three letters of recommendation, one copy of all undergraduate and graduate transcripts, and scores from

The Wilcox Classical Museum in Lippincott Hall houses original red-figure vases, Greek and Roman coins, inscriptions, and full-sized plaster casts of the Apollo Belvedere, the Parthenon frieze, and other antiquities.

A directory of courses appears on pages 7-8.
See East Asian Languages and Cultures.

Classics

Chair: Pamela Gordon
Wescoe Hall, 1445 Jayhawk Blvd., Room 1021
Lawrence, KS 66045-7594, www2.ku.edu/~classics, (785) 864-2396
Graduate Adviser: Anthony Corbeill, 1035 Wescoe Hall, (785) 864-2393
Professors: Corbeill, Lombardo, Younger
Professor Emeritus: Phillips
Associate Professors: Gordon, Shaw, Welch
Associate Professors Emeriti: Banks, Rosen
Assistant Professors: Scioli, Stinson

The Department of Classics offers advanced course work in the ancient civilizations of Greece and Rome. Students are expected to study the classical languages (Greek and Latin) and literatures as well as the art and archaeological remains of the Greek and Roman worlds.

Admission

The B.A. in classics or another field in the humanities is required. For admission to the graduate program, the entering student should have 15 junior/senior hours in Latin and/or Greek. Financial support is available in the form of teaching assistantships in Latin, Greek, or mythology. Well-qualified candidates with fewer hours in ancient languages are considered for admission and may be offered positions as graduate teaching assistants in nonlanguage courses. The Graduate Record Examination is not required.

Send all other requested application materials to

The University of Kansas
Department of Classics, Graduate Adviser
Wescoe Hall, 1445 Jayhawk Blvd., Room 1035
Lawrence, KS 66045-7594

M.A. Degree Requirements

Course Requirements

1. The degree program consists of 30 hours, whether one chooses the thesis or nonthesis option.
2. The student may stress either Latin or Greek or a combination of both. Students who take only one of the ancient languages at the graduate level must present at least 10 hours of elementary course work in the other; this requirement may also be satisfied by passing a departmental examination.
3. Students may select their 30 hours from graduate courses in Greek, Latin, classics, and certain courses in philosophy, history, history of art, and linguistics. A maximum of 12 hours may be taken in nonlanguage courses.
4. Students who elect to write an M.A. thesis must complete at least 24 hours on the graduate level, in addition to 6 hours of Thesis (LAT 899 or GRK 899). In consultation with the graduate adviser, each student selects a thesis committee of three members.
5. The student selecting the nonthesis option must complete 30 hours of courses on the graduate level. In two of these courses, students must prepare research papers that meet the approval of the appropriate instructor. These papers are placed on file in the department office.

Language Requirements. Incoming graduate students take a diagnostic reading examination in Greek or Latin or both if they plan to take graduate-level courses in both languages. Students who take only one of the ancient languages at the graduate level must demonstrate a basic knowledge of the other. By the end of graduate study, the student must also demonstrate a
reading knowledge of German, Italian, or French by using the established university procedures for determining graduate language proficiency (as defined under Doctoral Degree Requirements, Research Skills in the General Information chapter).

Examinations. A written general examination is required of all M.A. students. For further information, see the departmental handbook.

■ Classics Courses

CLSX 501 The History of the Latin Language (3).
CLSX 502 Development of Ancient Greece, ca. 1000-300 B.C. (3).
CLSX 525 Aegean Archaeology and Art (3).
CLSX 526 Greek Archaeology and Art (3).
CLSX 527 Roman Archaeology and Art (3).
CLSX 528 Archaeology and Art of Greece and Rome (3).
CLSX 529 Archaeology and Art of the Ancient Near East (3).
CLSX 570 Study Abroad Topics in Greek and Roman Culture: ______ (1-3).
CLSX 575 Readings in: ______ (1-3).
CLSX 576 Topics in Greek and Roman Literature: ______ (3).
CLSX 577 Topics in the Archaeology and Art of the Ancient Mediterraneum: ______ (3).
CLSX 675 Studies in: ______ (1-3).
CLSX 717 Investigations in Greek Drama I (3). Attendance at CLSX 384 required, plus one seminar per week, discussing the scholarly background of the major lecture, as well as the problems and aims of teaching Greek drama in English to undergraduates. No knowledge of Greek is required. RSH
CLSX 718 Investigations in Greek Drama II (3). Attendance at CLSX 384 plus one seminar per week. No knowledge of Greek is required. RSH
CLSX 790 Practicum in the Teaching of Classics (0.5). Required of all assistant instructors and teaching assistants in the teaching of Classics courses. May be repeated up to three semester hours credit in total. FLD

■ Greek Courses

GRK 508 Early Greek Philosophy (3).
GRK 701 Archaic Poetry (3). Close reading of texts from Homer, Hesiod, Pindar, the lyric poets. LEC
GRK 702 Drama (3). Close reading of texts from Aeschylus, Sophocles, Euripides, Aristophanes. LEC
GRK 703 History and Oratory (3). Close reading of texts from Herodotus, Thucydides, Xenophon, Attic orators. LEC
GRK 704 Philosophy (3). Close reading of texts from Plato, Aristotle, the Pre-Socratic. LEC
GRK 705 Readings in Classical Greek (3). Extensive reading in a variety of Greek authors. LEC
GRK 790 Practicum in the Teaching of Greek (0.5). Required of all assistant instructors and teaching assistants in the teaching of Greek. May be repeated up to three semester hours credit in total. FLD
GRK 798 Studies in: ______ (1-3). Selected readings for qualified students who desire special work on a flexible basis. May be repeated for credit, the maximum being twelve hours. Prerequisite: Undergraduate proficiency in Greek or equivalent. RSH
GRK 899 Thesis (1-4). THE

■ Latin Courses

LAT 700 Advanced Latin Prose Composition (3). An examination of the grammar, syntax, and style of the Latin language through exercises in composition. Prerequisite: Consent of instructor. LEC
LAT 701 Epic Poetry (3). Close reading of texts from Vergil, Lucretius, Ovid. LEC
LAT 702 Lyric and Elegy (3). Close reading of texts from Catullus, Horace, Ovid, Propertius, Tibullus. LEC
LAT 703 History, Oratory, Philosophy (3). Close reading of texts from Livy, Tacitus, Cicero, Seneca, Augustine, Boethius. LEC
LAT 704 Drama, Satire, and Novel (3). Close reading of texts from Plautus, Terence, Horace, Petronius, Seneca, Juvenal, Apuleius. LEC
LAT 705 Readings in Classical Latin (3). Extensive reading in a variety of Latin authors. LEC

LAT 790 Practicum in the Teaching of Latin (0.5). Required of all assistant instructors and teaching assistants in the teaching of Latin. May be repeated up to three semester hours credit in total. FLD
LAT 791 Seminar in the Teaching of Latin (3). An introduction to teaching required of all assistant instructors and teaching assistants. Topics to include: pronunciation, etymology, Latin style, testing methods, and the selecting of texts. LEC
LAT 798 Studies in: ______ (1-3). Selected readings for qualified students who desire special work on a flexible basis. May be repeated for credit, the maximum being twelve hours. Prerequisite: Undergraduate proficiency in Latin or equivalent. RSH
LAT 899 Thesis (1-4). THE

Clinical Child Psychology

Director: Michael C. Roberts
Dole Human Development Center, 1000 Sunnyside Ave., Room 1020 Lawrence, KS 66045-7561, www2.ku.edu/~celchild, (785) 864-4226
Core Faculty: Jackson, Roberts, Steele, Vernberg, and Faculty of the Departments of Applied Behavioral Science and Psychology (see department listings)

The Clinical Child Psychology Training Program leading to the doctoral degree is affiliated with the Departments of Applied Behavioral Science and Psychology. It is accredited by the American Psychological Association in recognition of the broad and general traditions of clinical psychology with an emphasis on children. It uses the resources of both departments and includes a core faculty with specialty interests in clinical child and pediatric psychology.

Doctoral training develops scientist-practitioners capable of conducting research and interventions for a variety of human problems, particularly those involving children and families. Such work requires understanding, prevention, and treatment of mental and physical health problems from a psychological perspective. The program emphasizes acquisition of general knowledge and skills in the behavioral, social, cognitive, and biological bases of psychology and thorough knowledge of research methodology and statistical analyses. A particular strength is the developmental perspective. In clinical training, students take courses in assessment and intervention, child psychopathology, behavioral and family therapy, and ethical/legal issues. Special consideration is given to ethnic and cultural diversity, prevention, public sector and social interventions, and professional issues. Didactic and practical experiences prepare graduates for the many roles open to clinical child psychologists. Graduates can take positions in research/teaching in universities, medical schools, and internship sites and direct service delivery in mental health centers, hospitals, and schools.

This program implements the recommendations of the national conferences on training and follows an articulated model of training in a comprehensive, integrated format. Course work and research/clinical experiences provide the bases in development, psychopathology, assessment and diagnosis, and intervention in mental health work with children, adolescents, and families.

Students can complete course work, practica, and research requirements for the doctorate in four years of full-time study followed by a required one-year predoctoral internship at an approved site, although some take longer. Students are expected to, and indeed want to, participate maximally in research and clinical experiences. A master’s thesis, qualifying examination, and doctoral dissertation are formal milestones of progress in addition to regular evaluation in courses, practica, and yearly faculty review.
All students are assigned to a faculty member for academic advising. By mutual agreement, students may work with or be supervised in research and clinical work by any faculty member of the program or the sponsoring departments. For research and clinical practicum, faculty members and students are actively involved in community settings including the Bert Nash Mental Health Center, the Intensive Mental Health Program (elementary therapeutic classrooms) of the Lawrence School District, KU Medical Center, Children’s Mercy Hospital, and other agencies.

**Admission**

Submit your application online at www2.ku.edu/~coms (College of Liberal Arts and Sciences, Clinical Child Psychology Program). Send all other requested application materials to

The University of Kansas
Clinical Child Psychology, Dole Human Development Center
1000 Sunnyside Ave., Room 2010
Lawrence, KS 66045-7561

Admission is highly competitive. All completed files are reviewed and incoming students are selected by an admissions committee of advanced students and faculty members, headed by the training director. Essential requirements are a bachelor’s degree from an accredited institution and a record of achievement that shows a strong promise of success in course work and in research and clinical work. Applicants should have at least 15 credit hours in psychology, including statistics and research methodology. Highly rated applicants have experience appropriate to their level in psychological research and applied interactions with children. Criteria include transcripts and grade-point averages from previous educational institutions; scores on the Graduate Record Examination (verbal, quantitative, analytical, and advanced test in psychology); statement of career interests; experience in research and with clinical populations, and interests in clinical and research work with faculty; a writing sample; and three letters of recommendation. Financial aid is available.

**Clinical Child Psychology Curriculum**

The following curriculum meets criteria for APA accreditation and KU general requirements.

**Psychology Core**

1. Biological Aspects: PSYC 961 Biological Foundations of Psychopathology
2. Cognitive/Affective Aspects: PSYC 870 Cognitive Development
3. Social Aspects: ABSC 825/PSYC 825 Social Development
4. History of Psychology: PSYC 805 History of Psychology or ABSC 921 The History and Systems of Psychology or PREE 980 Seminar in History of Psychology
5. Cultural and Ethnic Diversity: PSYC 888 Diversity Issues in Clinical Psychology or PREE 875 Cross-Cultural Counseling

**Clinical Child Psychology Specialty Skills**

Psychopathology, Psychodiagnosis, and Psychological Assessment. Required: ABSC 905/PSYC 905 Psychopathology in Children
ABSC 811/PSYC 811 Achievement and Intellectual Assessment in Clinical Child Psychology
ABSC 812/PSYC 812 Behavioral and Personality Assessment of Children
ABSC 814/PSYC 814 Advanced Child and Family Assessment

Intervention and Therapy Procedures. Required: ABSC/PSYC 979 Therapeutic Interventions with Children
PSYC 967 Psychotherapy with Families or PREE 956 Therapy of Marriage and Family Counseling or PSYC 946 Therapies and Methods of Psychotherapy or PSYC 949 Empirically Supported Treatment or PSYC 956 Group Therapeutic Techniques

Clinical Practice. Required (17 credit hours, 275 contact hours):
- ABSC 846/PSYC 846 Practicum in Clinical Child Psychology I
- ABSC 847/PSYC 847 Practicum in Clinical Child Psychology II
- ABSC 943/PSYC 943 Advanced Practicum in Clinical Child Psychology I
- ABSC 944/PSYC 944 Advanced Practicum in Clinical Child Psychology II
- ABSC 945/PSYC 945 Advanced Practicum in Clinical Child Psychology III
- ABSC 946/PSYC 946 Advanced Practicum in Clinical Child Psychology IV
- ABSC 947/PSYC 947 Advanced Practicum in Clinical Child Psychology V

Ethics/Professional Standards. Required:
- PSYC 975 Professional and Ethical Problems in Clinical Psychology or PREE 880 Legal, Ethical, and Professional Issues in Counseling
- ABSC 809/PSYC 809 Professional Issues: Clinical Child Psychology (one semester)

Clinical adult psychology workshop (offered every other year)

Students are expected to function within the code of ethics in their behavior and personal demeanor. Adherence to these ethical principles is part of the regular evaluation of students for completion of the degree in clinical child psychology.

**Consultation and Supervision.** PREE 945 Supervision in Counseling

**Research and Statistics Core Courses.** Required:
- PSYC 815 Design and Analysis for Developmental Research or PSYC 968 Research Methods in Clinical Psychology
- PSYC 790 Statistical Methods in Psychology I or PREE 811 Analysis of Variance
- PSYC 791 Statistical Methods in Psychology II or PREE 810 Regression Analysis

Alternatives to PSYC 791/791 include
ABSC 735 Within Subjects Research Methodology and Direct Observation and ABSC 796 Laboratory in Behavioral Development and Modification: The Analysis of Behavior I or ABSC 940 Measurement and Experimental Design for Applied Research

**Special Research Skill.** Demonstrated computer competence or additional statistical or data analysis course.

**Master’s Degree and Thesis.** The master’s degree requires a thesis consisting of empirical research and a minimum of 30 hours of course work (24 of which must be nonthesis credit hours). A minimum of 6 credit hours in ABSC 897/PSYC 897 Master’s Thesis in Clinical Child Psychology is required.

**Ph.D. Preliminary Examination: The Task.** The program uses the Task system for its preliminary examination in applied/clinical area, research/methodology, or teaching. Details are available from the program director.

**Ph.D. Oral Comprehensive Examination.** Upon completion of all course requirements for the Ph.D. and of the Task, except for dissertation and internship, the student must pass the oral comprehensive examination. Details are available from the program director.

**Doctoral Dissertation.** The Ph.D. dissertation must be based on an original, empirical investigation. A minimum of 12 hours in dissertation in clinical child psychology is required.

**Predoctoral Internship.** An 11-month clinical internship at a setting accredited by the American Psychological Association is required. Students enroll in ABSC 963/PSYC 963 for a total of 3 credit hours.

**Courses**

See the course listings for the Departments of Applied Behavioral Science and Psychology.

**Communication Studies**

Chair: Beth Innocenti
Bailey Hall, 1440 Jayhawk Blvd., Room 112
Lawrence, KS 66045-7545, www2.ku.edu/~coms, (785) 864-9018
Graduate Director: Robert C. Rowland, 116E Bailey Hall, (785) 864-9868

Professors: Asuncion-Lande, Carlin, Hummert, Parson, Rowland

Courtesy Professors: Kemper, Shelton

Professors Emeriti: Baumgartel, Conboy, Crockett, Downs, Friedman, Gold, Kerkman, Linkugel

Associate Professors: Banwart, Baym, Beisecker, Harris, Innocenti, Kunkel, Pennington, Russo, Zhang

Assistant Professors: Bruss, Childers, D’Enbeau, Hanzl, Hall, Tell

**Admission**

All domestic M.A. and Ph.D. applicants on the Lawrence or Edwards Campuses must submit the Graduate Record Examination. International students who apply to Lawrence must submit Test of English as a Foreign Language scores. International students who have earned a U.S. degree must submit GRE scores.

Submit your application at www2.ku.edu/~coms.

Send curriculum vitae or résumé, three letters of recommendation, and a two- to three-page personal statement to

The University of Kansas
Department of Communication Studies
Robert C. Rowland, Graduate Director
Bailey Hall, 1440 Jayhawk Blvd., Room 102
Lawrence, KS 66045-7545

**M.A. Degree Requirements**

**Concentration in Communication Studies.** For course work areas, see Ph.D. requirements.

**Communication Studies (30 hours total)**

COMS 850 Introduction to Research Methods ............................. 3
COMS 851 Communication Research: Historical and Descriptive (3) or COMS 852 Communication Research: Experimentation and Quantitative Analysis (3) .................................................. 3

** Liberal Arts & Sciences **
Communication Studies

COMS 859 Prerequisite in Communication Studies ................................. 3
COMS 959 Master's Thesis ................................................................. 6
2. At least 6 hours in each of two areas of communication.
3. Three additional credit hours from any communication studies courses or from outside the department.
4. Final oral examination.

A nonscience option is available in communication studies. Requirements for this option include:
1. Satisfactory completion of these required courses:

  Communication Studies (6 hours total)
  COMS 859 Prerequisite in Communication Studies ................................. 3
  COMS 850 Introduction to Research Methods ........................................... 3

2. At least 9 hours in each of two areas of communication.
3. Six hours of electives.
4. General examination. Each student must complete an examination over the two course work concentrations. The examination is structured as follows:
   • One hour written over required courses
   • Two hours written over the first major area of communication
   • Two hours written over the second major area of communication
   • One hour oral examination

KU Edwards Campus M.A. Program
The M.A. is also offered on the KU Edwards Campus in Overland Park. The requirements for the degree at the Edwards Campus are the same as for the program on the Lawrence campus. Edwards Campus classes are taught by the same faculty members who teach regularly in Lawrence. Courses are scheduled during the evenings to accommodate working professionals.

Ph.D. Degree Requirements
Concentration in Communication Studies. Requirements include:
1. COMS 859, COMS 958, and COMS 959 under Basic Communication Theory (9 hours). COMS 859 is waived for students with the M.A. in communication.
2. A minimum of 27 hours of additional subject matter courses:
   (a) These courses must represent two emphases.
   (b) These areas are developed by the student in consultation with the adviser and the director of graduate study.
   (c) If a student holds a master’s degree in communication studies (or equivalent), appropriate coursework from this degree may be used to fulfill the subject matter course requirements. However, the total number of hours from the M.A. program used to satisfy items 2c, 3, and 4 must not exceed 24 hours.
3. Eighteen hours of electives, which may be chosen from another department or any phase of the program. The 18 hours need not be all in the same department. They may be used to broaden or intensify the program, as long as they constitute a meaningful course of study. Only 6 hours may be in independent study. Students with master’s degrees from other universities satisfy this requirement with 18 hours from their master’s programs.
4. A minimum of 15 hours of research methodology:
   (a) Courses required of all students:
      COMS 850 Introduction to Research Methods ........................................... 3
      COMS 851 Communication Research: Historical and Descriptive (3) or
      COMS 852 Communication Research: Experimental and Quantitative
      Analysis (3) .........................
      (b) Choose 9 additional hours from the following courses appropriate to the
      student’s research/dissertation interest .............................................. 9

Experimental and Quantitative Empirical Methods
COMS 856 Communication Research: Quantitative Analysis (3)
COMS 956 Principles of Analysis of Variance (3)
COMS 957 Principles of Correlational and Multivariate Analysis (3)
PRE 905 Multivariate Analysis (3)
PRE 906 Structural Equation Modeling I (3)

Historical/Critical
HIST 805 The Nature of History (3)
ENGL 908 Seminar in Literary Criticism: _____ (3)
COMS 955 Seminar in Rhetorical Criticism (3)
THR 920 Practicum in Criticism (3)
COMS 930 Seminar in Speech: Textual Criticism (3)
COMS 951 Seminar in Movement Theory and Genre Criticism (3)
COMS 952 Seminar in Mythic and Narrative Approaches to Rhetorical Criticism (3)

Qualitative/Empirical
ANTH 730 Linguistics in Anthropology (3)
SOC 813 Field Methods and Participant Observation (3)
COMS 848 Communication Audits in Organizations (3)
COMS 855 Qualitative Research Methods in Communication Studies (3)

In lieu of 3 hours of methodological course work, a student may elect to enroll in 3 hours of applied research in which he or she produces original research using one of the above methods. The final paper must meet the approval of the student’s adviser and must be submitted to a professional society for presentation on a convention program or to a professional journal for possible publication.

In lieu of 3 hours of methodological course work, a student may elect to demonstrate a high level of writing competence in one foreign language if she or he can show that knowledge of this language directly relates to his or her research and academic interests. Competence levels are determined through consultation with the appropriate language department or program.

5. Ph.D. dissertation (18 or more hours).
6. Satisfactory completion of the oral and written comprehensive examination.
7. Final oral examination.

Communication Studies Courses

COMS 503 Post-Soviet Communication (3).
COMS 530 Internship in Communication Studies (1-3).
COMS 531 Seminar in Leadership Strategies and Applications (3).
COMS 532 Leadership Studies Practicum (1-3).
COMS 535 American Public Address, Puritans to 1900 (3).
COMS 536 American Public Address, 1900-Present (3).
COMS 537 Communication in Conflict Resolution (3).
COMS 538 Persuasion Theory and Research (3).
COMS 539 Argumentation (3).
COMS 543 Group Leadership Practicum (1-3).
COMS 544 Advanced Interpersonal Communication: Theories and Research (3).
COMS 545 Narratives in Oral Communication (3).
COMS 546 Communication Across the Life Span (3).
COMS 547 Communication and Culture (3).
COMS 548 Theories of the Interview (3).
COMS 549 Communication in Service and Sales (3).
COMS 550 Ethical Issues in Public Communication (3).
COMS 551 The Rhetoric of Black Americans (3).
COMS 552 The Rhetoric of Women’s Rights (3).
COMS 553 Communication in Political Campaigns (3).
COMS 559 Seminar in: _____ (1-3).
COMS 560 Seminar in: _____ (3).
COMS 590 Nonverbal Communication (3).
COMS 603 Topics in Presidential Rhetoric: _____ (3).
COMS 605 Speech Writing (3).
COMS 607 Political Communication (3).
COMS 620 Communication and New Technology (3).
COMS 639 Legal Communication (3).
COMS 647 Issues in Intercultural Communication (3).
COMS 667 Interpersonal Communication in Multinational Organizations (3).
COMS 669 Human Conflict and Peace (3).
COMS 710 Survey of Theory and Research in Organizational Communication (3).

This course examines the theoretical and philosophical underpinnings of organizational communication research. Course topics cover variable analytic traditions

In 2009, a two-member KU debate team won the National Debate Tournament. The outstanding debate program at KU holds several national distinctions, including the first pair of debaters to win more than 400 debates in their college careers.

KU’s Edwards Campus is at 12600 Quivira Road, Overland Park, KS 66213-2402, phone (from Lawrence): 864-8400 or (913) 897-8400, http://edwardscampus.ku.edu.
and systems theory, as well as cultural, critical, and various interpretive app-
proaches, and reaches to other communication and organizational contexts. Prereq-
site: COMS 310 and permission of the instructor. LEC

COMS 730 Writing and Speaking for Decision Makers (3). Theory and application
of communication strategies for corporate communication. This course presents
rhetorical and organizational communication situations, focuses on decision-
declaration strategies. Included are informative and persuasive communications such as
board presentations, requests for proposal and responses to RFPs, grant proposals,
and persuasive presentations for adoption, implementation, or evaluation of organi-
zational programs. Prerequisite: COMS 180 and permission of instructor. LEC

COMS 741 Special Topics in Communication Studies: (2-3). Examination of
special topics in Communication Studies. Prerequisite: Instructor consent. LEC

COMS 784 Proseminar in Communication and Aging (1). A weekly forum for stu-
dents and faculty to discuss professional issues and interdisciplinary research in
communication and aging. May be repeated for credit and systems theory, as well as
communication: perspective on aging. The proseminar surveys contemporary basic
and applied research, service programs, and policy and management issues in gerontology.
(Same as ABSC 787, AMS 787, PSYC 787, and SOC 767.) (Formerly HDFL 787.) LEC

COMS 807 Rhetoric, Politics, and the Mass Media (3). This course investigates the ways
in which rhetorical strategies (persuasive and linguistic usage) permeate the relation-
ship between politics and politicians and the mass media. We will analyze media cover-
age of political debates, the presidential use of radio, television and press conferences,
the network evening news coverage of political events, the influence of political adver-
tising to see how political decisions are influenced by and influence the media. LEC

COMS 810 Organizational Communication: Theory and Research (3). This course exam-
ines the theoretical and philosophical underpinnings of organizational communication
research. The course will be a vehicle for variable analysis, social, political, cultural,
critical, and various interpretive approaches to understanding communication
in organizational contexts. Prerequisite: COMS 310 and permission of instructor. LEC

COMS 835 Impression Formation and Interpersonal Behavior (3). Intensive inves-
tigation of the processes involved in impression formation and of the effects of es-

tablished impressions upon interpersonal communication. (Same as PSYC 845.)
Graded on a satisfactory/fail basis. Prerequisite: COMS 335 or PSY 670. LEC

COMS 843 Changing Communication Behavior (3). Study of theory, research,
and methods for changing communication behavior in teaching, training, con-
sulting, coaching, and/or counseling contexts. LEC

COMS 844 Seminar in Interpersonal Communication (3). This class will address
text current theory and research in interpersonal communication. Issues addressed
including verbal and nonverbal communication in families, close relationships,
initial interactions, and the like. LEC

COMS 846 Communication and Aging (3). Examination of the interrelationship
between communication and the aging process. The course will include current
research and theory on such topics as intergenerational communication, language
and age, cognition, aging and cognitive decline, mass media and age, health and
communication, and others of current interest in the field. LEC

COMS 848 Communication Audits in Organizations (3). The principal thrust of this
course is a hands-on analysis of the communication in 1-2 organizations. Students
will participate in analyzing the communication within the organization, inc-

ducation, job satisfaction, organizational commitment, and communication
strategies. Experience is gained in organizational research methods, instrument de-
velopment and refinement, feedback, and organizational change. LEC

COMS 850 Introduction to Research Methods (3). An introduction to methodologi-

cal approaches to the study of communication. Approaches considered will include
(a) humanistic message analysis and evaluation; (b) ethnographic and observational
texts; (c) survey construction and execution; and (d) experimental design and
research. Special focus on issues of validity, reliability, and ethics. LEC

COMS 851 Communication Research: Historical and Descriptive (3). An introduc-
tion to types of historical and descriptive research in human communication.
Library resources and methods of research will be covered. Emphasis will be placed
upon preparing a research prospectus and upon writing the research report. LEC

COMS 852 Communication Research: Experimentation and Quantitative Analysis
(3). An introduction to the process of research in communication studies, includ-
ing consideration of basic principles in research design, methods of observation
and measurement, and the implications of selected research designs and analysis
methods. Prerequisite: COMS 752 or equivalent. LEC

COMS 855 Qualitative Research Methods in Communication Studies (3). Study of
strategies for describing communication behavior in particular contexts, em-
phasizing ethnography and specific observational and interview data gathering and
analysis methods. Prerequisite: COMS 755 or equivalent. LEC

COMS 856 Communication Research: Qualitative Analysis (3). An intermediate
overview of statistical techniques commonly used in communication research.
Content will include a review of the use of statistical tests such as $t$-test, correla-
tion, chi-square, and analysis of variance. A parametric approach of data will be
ally, selection of analysis of variance, multiple regression, and factor analysis will be
covered, along with the application of appropriate statistical techniques. Prerequi-
te: COMS 850 and an introductory course in statistics. LEC

COMS 859 Proseminar in Communication Studies (3). An overview and integra-
tion of communication research. May be repeated for credit of selected basic writ-
ings in the discipline. LEC

COMS 860 New Communication Technology and the Work Place (3). An examina-
tion of changes in the work place and for workers associated with new communi-
cation technologies such as e-mail, voice mail, teleconferencing, distributed com-
puter processing, and computer-supported decision making. Emphasis is on the
changes in organizational communication patterns, participant responses to the
technologies, and evaluation of the outcomes of implementing work place com-
munication technologies. LEC

COMS 898 Investigation and Conference (for Master’s Candidates) (1-8). (Limit-
ed to eight hours credit toward the M.A. degree.) Directed research and experi-
mentation for M.A. students in some phase of science research or the teaching of
speech and drama. RSH

COMS 909 Master's Thesis (1-6). THE

COMS 907 Seminar in Political Communication (3). This course will focus on con-
temporary political communication theory and illustrate how such theories are ex-
emplified in modern political contexts: political arguments and developing con-
scious, communication strategies in Congressional and bureaucratic decision-
dynamics, the rhetorical presidency, the strategic management of political information,
political narrative, and political campaigns. LEC

COMS 930 Seminar in Speech: (1-4). Special problems in speech. Prerequi-
te: Twelve hours of credit in the department. LEC

COMS 932 Theories of Rhetoric: Classical (3). An intensive study of the rhetorical
theories of classical writers from 466 B.C. to the decline of Roman oratory. Principal
emphasis will be on Isocrates, Plato, Aristotle, Quintillian, Cicero, and Longinus. LEC

COMS 933 Theories of Rhetoric: Neo-Classical (2-3). A study of the development of
rhetorical theory from 325 A.D. to the twentieth century. Notable departures from the
classical tradition will be examined in such figures as Augustine and the tradition of
medieval preaching. Alcuin, Ramon, Bacon, Campbell, Whately, Blair, John Quincy Adams, and the elocutionary movement. LEC

COMS 936 Seminar in Language and Discourse (3). This seminar uses interdisci-
plinary approaches to examine a wide range of issues and develop strategies of
language and discourse. The course moves from considering major theoretical positions to

current research in communication on discourse. Methodological issues in the
study of language and discourse will be considered. LEC

COMS 938 Seminar in Persuasion (2-3). Examination of selected topics in persua-
sion, with emphasis on the application of recent theories and experimental research
to the analysis of persuasive discourse. Prerequisite: COMS 538 or equivalent. LEC

COMS 939 Seminar in Argumentation (2-3). Examination of special problems in
argumentation, with emphasis on the relationship of systems of argumentation
to their philosophic presuppositions. Discussion of the writings of Toulmin, Nata-
son, Johnstone, Perelman, Dewey. Prerequisite: COMS 539 or equivalent. LEC

COMS 941 Seminar in Health Communications (3). This course is a survey of the
study of the process of communication in health. Health care topics include the
phases of decision making regarding health-related behaviors, the influence of inter-
personal messages, negotiating treatment with health care providers, coping with
medical difficulties, the critical examination of medical research, news, and health
campaigns, and the impacts of new technology. LEC

COMS 942 Seminar in Small Group Communication (2-3). Study of communication
in face-to-face and co-acting groups. Analysis of research in group communication. LEC

COMS 943 Seminar in Human Relations Training Theory (3). Concepts and prac-
tices of various approaches to teaching and training in human relations. Theories of
organizational development and their role. Current issues in training, sensitivity
approaches, instrumented groups, theory of structured exercises, laboratory plan-
ing. Prerequisite: COMS 540, COMS 949, or PSY 570. LEC

COMS 944 Practicum in Human Relations Instruction (3). Supervised practicum in
the application of approaches to teaching and training in human relations. Prerequi-
te: COMS 943 and consent of instructor. LEC

COMS 945 Seminar in Social Support (3). This course is a survey of the many dis-
ciplines of the fundamental form of communication known as social or emotional
support. Emphasis includes message-, receiver-, and interaction-oriented approaches,
and other research in human communication. LEC

COMS 946 Seminar in Communication and Intergroup Relations (3). Conceptual and
theoretical frameworks for exploring and understanding relations between individu-
als from different societal groups (e.g., cultural/ethnic, gender, age). Focus on issues of
identity, power relations as manifested in interpersonal, mass media, and organiza-
tional contexts. The course will include methodological and applied implications for
studying different groups, both within the U.S.A. and around the world. LEC

COMS 947 Communication in Cultural Innovation and National Development (3).
An examination of the roles of communication in the introduction of change within
Cultural groups and the diffusion of innovation between cultural groups. Prerequi-
te: COMS 180 and permission of instructor. LEC

COMS 948 Seminar in Communication and Intergroup Relations (3). An overview
of theories linking communication and identity, power relations in organizational
realities from different societal groups (e.g., cultural/ethnic, gender, age). Focus on issues of
identity, power relations as manifested in interpersonal, mass media, and organiza-
tional contexts. The course will include methodological and applied implications for
studying different groups, both within the U.S.A. and around the world. LEC

COMS 949 Communication Strategies and Human Resources (3). Leadership and
human resource theories are analyzed in terms of the development of communica-
tion strategies in organizations. Applications are made to training, teambuilding,
group development, motivation, and organizational development. LEC

COMS 950 Seminar in Public Address: (2-3). The study of public address by
historical periods or by topics. LEC

COMS 951 Seminar in Movement Theory and Genre Criticism (3). This course ex-
amines the theoretical and methodological underpinnings of approaches to

Graduate Studies
rhetorical analysis focusing on social movements and rhetorical genres. It will review existing theory on these topics, develop a methodological approach to both forms of critical analysis, and test each methodological approach via case studies. Prerequisite: COMS 755 or consent of instructor. LEC

COMS 952 Seminar in Mythic and Narrative Approaches to Rhetorical Criticism (3). This course examines the theoretical and methodological underpinnings of approaches to rhetorical analysis focusing on narrative rhetoric, with a special emphasis on myth as a type of narrative. It will review existing theory on these topics, consider a number of alternative methodological approaches, and test each methodological approach via case studies. Prerequisite: COMS 755 or consent of instructor. LEC

COMS 953 Seminar in Organizational Rhetoric (3). This course focuses on theoretical and methodological materials related to the use of rhetoric in an organizational setting. It will review existing theory and methodological development on this topic, paying special attention to the distinction between rhetoric used within an organization and rhetoric focused on audiences external to the organization. Multiple case-studies will be considered to illuminate the functioning of both internal and external organizational rhetoric. Prerequisite: COMS 755 or consent of instructor. LEC

COMS 954 Computer Applications in Communication Research (3). An introduction to the principles of digital computer operation and survey of their applications to problems in communication research. Topics considered will include the features of computer installations in general and at KU, flow-charting, FORTRAN, and other computer languages, and numerical and non-numerical applications. Practical programming experience will be required of all students during the course. LEC

COMS 955 Seminar in Rhetorical Criticism (3). A study of contemporary and historical writings on rhetorical criticism. Emphasis is placed on the development of critical methodology for future research and writing. Prerequisite: COMS 755. LEC

COMS 956 Principles of Analysis of Variance (3). An examination of experimental designs based on the analysis of variance. Topics considered will include factorial designs, trend analysis, confounding, counterbalanced designs, and analysis of covariance. Prerequisite: COMS 756. LEC

COMS 957 Principles of Correlational and Multivariate Analysis (3). An examination of procedures to identify relationship patterns in descriptive data. The focus will be on multivariate procedures. Topics considered will include multiple and partial correlation, factor analysis, and discriminant analysis. Prerequisite: COMS 756. LEC

COMS 958 Comparative Theories of Speech Communication (3). A descriptive and comparative analysis of theories of communication applicable to speech behavior. Prerequisite: COMS 859 or equivalent. LEC

COMS 959 Theories of Rhetoric: Contemporary (3). A study of the writings on rhetorical theory in the twentieth century. Principal emphasis will be on the psychological treatment of rhetoric. I.A. Richards and Kenneth Burke, and the relationship in the twentieth century between rhetoric and dialectic, rhetoric and poetic. Prerequisite: COMS 859 or equivalent. LEC

COMS 957 Research in (1-6). Supervised research under the direction of a faculty member on a topic of mutual interest to the faculty and graduate student. RSH

COMS 998 Investigation and Conference (for Doctoral Candidates) (1-8). (Limited to eight hours credit towards the Ph.D. degree.) Directed research and experimentation for Ph.D. students in some phase of speech science or the teaching of speech and drama. RSH

COMS 999 Doctoral Dissertation (1-12). THE

Communicative Disorders: Intercampus Program

The Intercampus Program in Communicative Disorders comprises the Department of Speech-Language-Hearing: Sciences and Disorders on the Lawrence campus and the Department of Hearing and Speech on the KU Medical Center campus. Audiology courses are listed under Communicative Disorders: Intercampus Program in the School of Allied Health chapter of this catalog. Speech-Language Pathology courses are listed in this section.

Speech-Language-Hearing: Sciences and Disorders, Lawrence:

Chair: Hugh Catts, catts@ku.edu

Dole Human Development Center, 100 Sunnyside Ave., Room 3001 Lawrence, KS 66045-7561, www2.ku.edu/~slph, (785) 864-0630

Hearing and Speech, KU Medical Center:

Chair: John Ferraro, jferraro@kumc.edu

KU Medical Center, 3031 H.C. Miller Building, Mail Stop 3039 3901 Rainbow Blvd., Kansas City, KS 66160, (913) 588-5937

www.hearing.kumc.edu

Professors: Barlow, Catts, Ferraro, Fey, Rice

Professors Emeriti: Brandt, Diedrich, Marston, McReynolds, Michel, Salmon, Schiefelbusch

Clinical Professors: Bunce, Wegner

Associate Professors: Chertoff, Jackson, Loeb, Searl, Storkel, Widen

Associate Professor Emerita: Carpenter

Clinical Assistant Professors: Auer, Brady, Ferguson, Johnson

The Intercampus Program in Communicative Disorders is directed by a committee of faculty members of professorial rank from each of the cooperating departments. The committee is responsible for instruction, curriculum planning, student selection and advising, clinical practicum policies, and course scheduling. Its recommendations are subject to review by the departments. The program offers the Master of Arts and Doctor of Philosophy degrees in speech-language pathology, and the Doctor of Audiology (Au.D.) and Ph.D. in audiology. A combined Au.D./Ph.D. track also is available. This track facilitates the completion of both degrees in a six-year post-baccalaureate period. The Lawrence department collaborates with the Department of Applied Behavioral Science, Linguistics, and Psychology to offer a Ph.D. in child language.

Intercampus Programs

Students pursuing graduate degrees in the programs administered by the intercampus committee take course work on the Medical Center campus in Kansas City and on the main campus in Lawrence. A student may live in either community. Block scheduling of courses reduces the frequency of commuting.

Admission. Submit your application online at www.graduate.ku.edu. Send all other requested application materials to

The University of Kansas Medical Center

Department of Hearing and Speech, 3031 H.C. Miller Bldg., Mail Stop 3039, 3901 Rainbow Blvd.

Kansas City, KS 66160

Master’s Degree Programs

Requirements for the M.A. Degree with a Major in Speech-Language Pathology. Prerequisites:

• An acceptable bachelor’s degree

• Thirty-four hours of credit in speech-language hearings, including SPLH 120, SPLH 261, SPLH 320, SPLH 465, SPLH 466, SPLH 565, SPLH 660, SPLH 662, SPLH 663, SPLH 668, and SPLH 671, or their equivalents

• Twenty hours of credit in allied fields, including courses in physiology, linguistics, and psychology

Degree Requirements: The program requires 34 credit hours of experiences for breadth and an additional 12 to 16 hours for depth.

Required Graduate Experiences for Breadth

SPLH 764 Seminar in Multicultural Issues .......................................................... 2

SPLH 860 Evaluation of Speech and Language .................................................. 2

SPLH 862 Clinical Processes ........................................................................... 2

SPLH 864 Advanced Clinical Practice in Speech-Language Pathology .............. 7

SPLH 868 Professional Seminar ..................................................................... 2

Research experience (thesis or nonthesis option) ......................................... 3

SPLH electives (Eight 2-credit-hour seminars) ................................................ 16

Required Graduate Experiences for Depth

SPLH 876 Field Study in Speech-Language Pathology .................................... 5

Advanced electives, theory on topics of interest, outside department, or thesis) ................................................................. 6

Second field study or fourth practicum experience ......................................... 1-5

Students also must pass the Speech-Language Pathology PRAXIS examination with a score of at least 600.

Requirements for the M.S. in Education Degree with a Specialization in Deaf Education. For information, see Specialization in the School of Education chapter of this catalog.

Au.D. Degree Requirements: Audiology

The Au.D. program prepares students to meet the academic and clinical requirements for the ASHA Certificate of Clinical Competence; it is fully accredited by the ASHA Council on Academic Accreditation. The degree is designed to be completed in four years (including summers, with a common entry point in
Communicative Disorders: Intercampus Program

Fall semester). A minimum of 110 credit hours including academic course work, independent research, and clinical practicum is required for completion of the Au.D.

Prerequisites. A baccalaureate degree is a prerequisite. Students are expected to have obtained a broad general education as a background to graduate study. Undergraduate course work in mathematics and basic and applied sciences is strongly encouraged. If the baccalaureate degree is not in communication sciences and disorders, courses in the following content areas, or equivalents, may be required for admission: Survey/Overview of Communication Disorders, Language Science/Development, Research Methods, Speech and Hearing Sciences, Phonetics/Phonological Development, Audiology (introductory level).

Specific undergraduate course requirements are determined on an individual basis. Students with baccalaureate degrees in other areas who wish to apply are urged to contact the Au.D. admissions committee chair as early as possible.

Degree requirements. Audiology Didactic Courses:

AUD 805 Introduction to Clinical Research ......................................................... 1
AUD 810 Diagnostic Audiology ........................................................................... 4
AUD 811 Hearing Disorders ................................................................................. 3
AUD 813 Psychoacoustics and Theories of Hearing ............................................... 3
AUD 814 Hearing Conservation ........................................................................... 3
AUD 815 Counseling for Audiology ................................................................... 3
AUD 816 Speech Perception ................................................................................. 2
AUD 817 Pediatric Audiology .............................................................................. 3
AUD 818 Vestibular Systems and Disorders .......................................................... 3
AUD 819 Hearing AIDS I ..................................................................................... 3
AUD 820 Rehabilitative Audiology ...................................................................... 3
AUD 821 Hearing AIDS II ................................................................................... 3
AUD 822 Electro-Acoustics and Instrumentation ................................................. 3
AUD 823 Cochlear Implants and Hearing Assistance Technologies .................. 2
AUD 829 Anatomy and Physiology of the Hearing and Vestibular Mechanisms 3
AUD 851 Auditory Evoked Potentials ................................................................. 3
AUD 940 Seminar in Audiology: Auditory Processing Disorders (2 hours), Business Audiology (1 hour), Grand Rounds (8 hours, 1 hour/semester every fall and spring semester), Genetics of Hearing Loss (2 hours), Imaging (1 hour), Pharmacology in Audiology (1 hour), Professional Issues (1 hour)

Audiology Clinical Courses (29 credit hours minimum):

During Years 1 and 2: AUD 843 Clinic Practicum (minimum of 12 credit hours; 1 credit hour equals one-half day a week in clinic during fall and spring, one day a week in summer)

During Year 3: AUD 944 Clinical Rotation (minimum of 17 credit hours; 1 credit hour equals one day a week in clinic during fall and spring, two days a week in summer).

AUD 945 Clinical Externship (minimum of 15 credit hours; five days a week in clinic equals 6 credit hours during fall and spring, 3 credit hours in summer).

Elective Courses: Students must enroll in a minimum of 15 credit hours of elective course work. At least 6 of these hours must be research courses selected in consultation with an adviser.

In addition to didactic, clinical, and elective courses, students must successfully complete the PRAXIS examination at the end of two full years of graduate study and a research project completed through enrollment in a minimum of 4 hours of AUD 846 Independent Study. Projects are to be completed and presented to a faculty-student forum in the spring of Year 3.

Ph.D. Degree Requirements:

Speech-Language Pathology or Audiology

The Ph.D. programs in speech-language pathology and in audiology offer post-baccalaureate study of normal and disordered aspects of communication. Application materials must include verbal, quantitative, and analytical Graduate Record Examination scores. Students may be admitted with bachelor’s degrees, although most have some form of master’s degree. Incoming students who do not have master’s degrees, or the equivalent, and students who have nonthesis master’s degrees must initiate a thesis-equivalent research project, under the direction of a three-member committee, during the first year of enrollment. This project must be completed before the comprehensive oral examination.

Program Guide Beyond the Baccalaureate Level. Upon admission, the student and his or her adviser choose a doctoral advisory committee. This committee begins its function as soon as possible and approves the student’s program by no later than the end of the second semester of residence. The three-person committee must include the student’s adviser and at least one additional member from the intercampus executive committee. The committee works with the student in planning a program consonant with the career goals of the student and the resources of the department. The committee is responsible for guiding the student’s progress through the selected program of study.

To meet general requirements, the Ph.D. aspirant must pass an oral comprehensive examination. Before being admitted to this examination, the student must have satisfied (1) the majority of course requirements (defined by the advisory committee) in the student’s emphasis area (a minimum of 40 graduate credit hours in the major interest, which may include hours accumulated toward a master’s degree); (2) 15 graduate hours in research; (3) a minimum of 12 graduate hours in a correlative area outside the student’s major emphasis; and (4) satisfactory performance on a written preliminary examination encompassing the student’s emphasis area and research skills. Students also must complete the FLORS requirement as outlined in the Ph.D. Handbook of the Intercampus Program.

After the student has passed the comprehensive examination, she or he must complete a research project approved by a committee of three faculty members and write a dissertation based on that research. The dissertation is expected to be a scholarly work that reflects the student’s ability to conduct independent, original research. A minimum of 10 hours of dissertation credit is required. Completion of the dissertation is followed by the final oral examination and defense of the dissertation. Additional information about the department and about faculty research interests is contained in a departmental brochure available upon request.

Child Language Program

For information on the Ph.D. in Child Language, see Child Language in this chapter of the catalog.

Financial Aid

Students in the speech-language pathology and audiology programs may apply for teaching, clinical, and research assistantships, U.S. Office of Education fellowships, Veterans’ Administration Hospital traineeships, and other types of financial assistance.

Speech-Language-Hearing: Sciences and Disorders Courses

For courses in Audiology, see the School of Allied Health chapter of this catalog.

SPLH 565 Language Sample Analysis Lab (1).
SPLH 566 Language Development (3). SF
SPLH 600 Research Methods in Speech-Language-Hearing (3).
SPLH 662 Principles of Speech Science (3).
SPLH 663 Principles of Hearing Science (3).
SPLH 668 Introduction to Audiological Assessment and Rehabilitation (4).
SPLH 670 Beginning Clinical Practice in Audiology (1-3).
SPLH 671 Introduction to Speech-Language Pathology (4).
SPLH 672 Clinical Practice in Speech-Language Pathology (3).
SPLH 699 Speech-Language Pathology (3).
SPLH 761 Aural Rehabilitation (3). Study of the communication problems associated with hearing loss. Introduction to aural rehabilitation approaches to support speech, language, and academic achievement in children with early hearing loss, as well as, communication strategies training for adults with acquired hearing loss. Prerequisite: SPLH 669 or equivalent. LE.
SPLH 764 Seminar in Communication and Aging (1). A weekly forum for students and faculty to discuss professional issues and interdisciplinary research in
SPLH 970 Independent Study in Problems of Speech and Hearing (1-6). Investigation of special topics by individual students. Paper required. RSH

SPLH 972 Extensions of Clinical Management (3). This course is designed to provide didactic and practical experience in methods of obtaining diagnostic information and generalization of speech and language responses away from the clinical setting. Models for effecting behavioral change and data collection will be discussed and utilized. FLD

SPLH 974 Research Practicum (3). Application of research methodology in a laboratory situation. Emphasis is on direct participation in designing and conducting an experimental investigation in speech or hearing. Prerequisite: SPLH 760. FLD

SPLH 975 Directed Teaching: Speech Pathology and Audiology (1-3). Provides experiences in classroom and laboratory instruction under supervision of graduate faculty. Variable credit to reflect amount of instructional responsibility assumed. May be repeated up to a maximum of six semester hours. FLD

SPLH 982 Issues in Scientific Conduct (3). Lectures and discussion on issues in the conduct of a scientific career, with emphasis on practical topics of special importance in behavioral science. Topics will include the academic and scientific roles of behavioral scientists, establishing a research lab, communicating research findings, tenure processes, gender equity, ethical conduct, and good scientific citizenship. Discussions will highlight important case studies. (Same as PSYC 982.) LEC

SPLH 988 Investigation and Conference (for Doctoral Candidates) (1-8). (Limited to eight hours credit towards the Ph.D. degree.) Directed research and experimentation for Ph.D. students in some phase of speech science. RSH

SPLH 999 Doctoral Dissertation (1-12). THE

Computer Science

See Electrical Engineering and Computer Science in the School of Engineering chapter of this catalog.

Croatian/Serbian

See Slavic Languages and Literatures.

Czech

See Slavic Languages and Literatures.

Dance

See Dance in the College of Liberal Arts and Sciences: School of the Arts chapter of this catalog.

Drama

See Theatre in the College of Liberal Arts and Sciences: School of the Arts chapter of this catalog.

East Asian Languages and Cultures

Chair: Maggie Childs
Graduate Adviser: Keith McMahon
Wescoe Hall, 1445 Jayhawk Blvd., Room 2118
Lawrence, KS 66045-7594, www2.ku.edu/~ealc, (785) 864-3100
Professor: McMahon
Associate Professors: Childs, Gerbert
Assistant Professors: Eda, Li, Williams, Xiao, Yun

The Department of East Asian Languages and Cultures is the only department in Kansas offering a regular program of instruction in the languages, literatures, and cultures of East Asia. The areas of East Asia covered represent three of the oldest continuous civilizations of the world. The great historical contributions of China, Japan, and Korea in literature, philosophy, and art are widely recognized and studied throughout the world. Today, the highly advanced industries of Japan, the enormous human resources of China, and the rapidly growing economies of Korea and Taiwan have contributed to the development of extremely valuable socio-political and economic ties between these areas and the United States. The program trains people who will devote themselves to becoming effective links between the Far East and the United States.

Admission

Graduate Record Examination verbal and analytical test scores are required. Submit your application online at www.graduated.ku.edu. The application deadline for fall enrollment is May 1. Send all other requested application materials to

The University of Kansas
Department of East Asian Languages and Cultures
Wescoe Hall, 1445 Jayhawk Blvd., Room 2118
Lawrence, KS 66045-7594

Master’s Program

The department offers a master’s degree in East Asian languages and cultures. The student declares his or her concentration in one of three options:

- Chinese language and literature
- Japanese language and literature
- East Asian cultures

Students of Chinese or Japanese language and literature gain in-depth knowledge of these ancient civilizations, which have produced some of the world’s greatest literature.

Students of East Asian cultures develop a broad interdisciplinary knowledge of East Asia. This concentration is for students pursuing professional or noncollege teaching careers, for students in the early stages of language training, or for students who have already acquired competence in an East Asian language.

Prerequisites

Entrance requirements for a concentration in either Chinese or Japanese language and literature include:

- Three years of the modern language and, for Chinese language students, one year of classical Chinese or the demonstrated equivalent. Students not meeting this prerequisite may be admitted with deficiencies provided they achieve this level of proficiency outside the minimum of 30 graduate credit hours required for the degree.
- Two lecture courses dealing with East Asia.

Entrance requirements for a concentration in East Asian cultures are:

- At least two years of an East Asian language. Students not meeting this prerequisite may be admitted with deficiencies provided they achieve this level of proficiency outside the minimum of 30 graduate credit hours required for the degree.
- Two lecture courses dealing with East Asia.

Requirements for Chinese or Japanese Language and Literature Concentration

1. A minimum of 30 graduate credit hours:
   (a) Fourth-year level of language courses.
   (b) At least 18 credit hours must be taken in the department in residence.
   (c) Six of these 18 credit hours must demonstrate research capacity in the student’s major language in lecture courses or seminars.
   (d) EALC 700 Introduction to East Asian Studies and the relevant bibliography course must be included.
   (e) No more than 3 hours of directed readings courses may be included in the required 30 hours.
   (f) Students are expected to take at least one course at the 500 level or above in the literature of their concentration.
   (g) Students must take one course that deals wholly with an East Asian country outside their concentration.
2. A thesis (3 credit hours) involving significant use of materials in the student’s major language.

Requirements for East Asian Cultures Concentration

1. A minimum of 30 graduate credit hours:
   (a) Third-year level of language courses.
   (b) At least 24 credit hours, taken in the department in residence.
   (c) EALC 700 Introduction to East Asian Studies must be included in the student’s curriculum.
   (d) Students are expected to select one of the East Asian cultures for concentration and to include in their programs at least two courses dealing wholly with an East Asian culture outside their concentrations.
   (e) Students may not take more than 3 hours of directed readings.
   (f) Students may, in consultation with the department graduate adviser, take other credit hours in a discipline or disciplines closely related to their studies. East Asian area courses are offered in anthropology, film and media studies.
geography, history, history of art, linguistics, philosophy, political science, religious studies, sociology, and theatre. (g) Students must take one course at the 500 level or above in the literature or thought of the country of their concentration.

2. A thesis (3 credit hours) that must deal with a subject in the concentration chosen by the student.

**East Asian Courses in Other Departments**

**Anthropology**

ANTH 565 Popular Images in Japanese Culture, Literatures, and Films

**Economics**

ECON 583 Economic Issues of East Asia

**Film and Media Studies**

FMS 541 Asian Film

**Geography**

GEOG 596 Geography of China

GEOG 796 Asian Regions: _____

**History**

HIST 510 Topics in: _____

HIST 582 Ancient Japan

HIST 583 Imperial China

HIST 584 Modern China

HIST 587 Early Modern Japan

HIST 588 Japan, 1853-1945

HIST 589 Japan Since 1945

HIST 593 Modern Korea

HIST 605 Medieval Japan

HIST 636 Seminar in: _____

**History of Art**

HA 503 Japanese Prints

HA 545 Early Chinese Art

HA 687 Art of Modern China

HA 705 Major Artist: _____

HA 706 Calligraphy of China and Japan

HA 782 Japanese Painting

HA 783 Edo Period Painting

HA 785 Masters of Sung and Yuan Dynasty Painting

HA 786 Masters of Ming and Ch’ing Dynasty Painting

HA 787 Chinese Painting

HA 788 Proseminar in Japanese Art

HA 789 Proseminar in Chinese Art

HA 822 Seminar in Buddhist Art: _____

HA 824 Seminar in Edo Period Painting: _____

HA 825 Seminar in Zen Painting and Calligraphy

HA 826 Seminar in Japanese Literati Art

HA 900 Seminar in Chinese Art: _____

HA 900 Seminar in Japanese Art: _____

**Political Science**

POL S 656 Governments and Politics of East Asia

POL S 668 Reform in Contemporary China

POL S 676 International Relations of Asia

POL S 678 Chinese Foreign Policy

POL S 956 The Governments and Politics of Asia

**Religious Studies**

REL 508 Religion in China

REL 509 Religion in Japan

REL 510 Religion in Korea

REL 733 Seminar in Eastern Religious Texts: _____

REL 762 Seminar in Eastern Religious Thought: _____

REL 776 Seminar in Religion and Society in Asia: _____

**Theatre**

THR 527 Asian Theatre and Performance

For additional courses in the above disciplines, see appropriate sections in this chapter of the catalog.

### Chinese Courses

- CHIN 504 Advanced Modern Chinese I (5)
- CHIN 508 Advanced Modern Chinese II (5)
- CHIN 512 Advanced Chinese I (2)
- CHIN 513 Advanced Chinese II (2)
- CHIN 542 Introduction to Classical Chinese I (3)
- CHIN 544 Introduction to Classical Chinese II (3)
- CHIN 562 Modern Chinese Literature I (3). NW
- CHIN 564 Modern Chinese Literature II (3)
- CHIN 580 Introduction to Chinese Research Materials (1)
- CHIN 598 Readings in: _____ (1-3)
- CHIN 690 Seminar in Chinese Texts (1-3)
- CHIN 801 Directed Readings and Research in Chinese (1-4). Advanced language training for the study of Chinese sources in the humanities or social science field of the student. Prerequisite: Consent of instructor. RSH
- CHIN 880 Advanced Chinese Research Materials (2). A detailed examination of various Chinese language reference works and research materials. Emphasis will be placed on the use of different types of reference works to carry out research strategies. Prerequisite: CHIN 504 or equivalent and CHIN 580. LEC

#### East Asian Languages and Cultures Courses

- EALC 508 Religion in China (3). NW
- EALC 509 Religion in Japan (3). NW
- EALC 510 Education in Japan (3). NW
- EALC 520 Entrepreneurship in East Asia (3). NW
- EALC 527 Asian Theatre and Film (3). NW
- EALC 530 Chinese Culture (3). NW
- EALC 536 Cultural Traditions of Japan (3). NW
- EALC 563 Cultural History of Korea (3)
- EALC 565 Popular Images in Japanese Culture, Literatures, and Films (3). NW
- EALC 567 Japanese Ghosts and Demons (3). NW
- EALC 570 The Structure of Japanese (3)
- EALC 572 The Structure of Chinese (3)
- EALC 575 Love, Sexuality, and Gender in Japanese Literature (3)
- EALC 580 Popular Cultures of East Asia (3). NW
- EALC 583 Imperial China (3). NW
- EALC 584 Modern China (3). NW
- EALC 585 Reform in Contemporary China (3). NW
- EALC 587 Early Modern Japan (3). NW
- EALC 588 Japan, 1853-1945 (3). NW
- EALC 589 Japan Since 1945 (3). NW
- EALC 590 Topics in East Asian Languages and Cultures: (1-9)
- EALC 591 Topics in East Asian Languages and Cultures: _____ (1-9)
- EALC 593 Modern Korea (3). NW
- EALC 594 Law and Society in Traditional China (3)
- EALC 596 Defining Japan: Marginalized Groups and the Construction of National Identity (3).
- EALC 597 Japanese Theatre History (3). NW
- EALC 598 History and Structure of the Japanese Language (3)
- EALC 600 Biography of a City: _______ (3)
- EALC 612 Visual and Literary Culture in Modern Japan (3)
- EALC 615 Ancient China (3)
- EALC 618 Sexual Politics in Dynastic China (3)
- EALC 620 Daily Life in China from the Opium War to the Present (3)
- EALC 636 Women in Japanese Literature (3)
- EALC 642 Chinese Thought (3). NW
- EALC 646 Chinese Law (3)
- EALC 649 Doing Business With China: Law and Policy (3). NW
- EALC 656 Government and Politics of East Asia (3). NW
- EALC 666 Political Economy of East Asia (3)
- EALC 676 International Relations of Asia (3)
- EALC 678 Chinese Foreign Policy (3)
- EALC 700 Introduction to East Asian Studies (1). Required of all M.A. students in the Department regardless of concentration. Introduction to resources in East Asian languages and literature. LEC
- EALC 712 Readings in Traditional Japanese Literature (3). A survey of Japanese literature from earliest times to 1868. Students will study the major writers in each genre, with special emphasis on an individual research topic. A knowledge of Japanese is not required. (Not open to students with credit in EALC 312.) LEC
- EALC 714 Readings in Traditional Chinese Literature (3). A general survey of representative literary works of major genres in traditional China. Lectures, assigned readings, and discussions in English. A knowledge of Chinese is not required. (Not open to students with credit in EALC 314.) LEC
- EALC 716 Readings in Modern Japanese Literature (3). A survey in English of contemporary Japanese literature. Students will become familiar with the major authors, schools, and genres. An individual research project will be carried out in an area of the student’s special interest. (Not open to students with credit in EALC 316.) LEC
- EALC 718 Readings in Modern Japanese Literature (2-3). A general survey of the important writers of the 20th century and their works. Lectures, readings, and discussions in English. A knowledge of Chinese is not required. (Not open to students with credit in EALC 318.) LEC
- EALC 732 Seminar in Eastern Religious Thought: _______ (3). Analysis of the religious thought of selected thinkers of India, China, and/or Japan, traditional and modern. May be taken more than once if subject matter varies sufficiently. (Same as REL 762.) Prerequisite: REL 507, REL 508, REL 509, or permission of the instructor. LEC
- EALC 733 Seminar in Eastern Religious Texts: _______ (3). Analysis of a selected religious text or texts from India, China, or Japan, in translation. May be taken more than once if subject matter varies sufficiently. (Same as REL 733.) Prerequisite: REL 507, REL 508, REL 509, or permission of the instructor. LEC
EALC 747 Teaching About East Asia (2). An advanced survey of the history, culture, and contemporary affairs of China, Japan, and Korea, specifically designed for K-12 educators who wish to incorporate East Asian topics into their classroom teaching. Pedagogical methods and resources for the study of East Asia will be emphasized. Topics covered will address relevant benchmarks in the state curricular standards in social studies, themes from the Advanced Placement World History examination, and the national standards in world history. (Same as HIST 747.) Prerequisite: Approval of the instructor. LEC

EALC 762 Readings in Japanese Religion (3). A high-level introduction to the traditional religions of Japan, with special emphasis on Japanese Buddhism. Texts to be used will include translations of original documents as well as secondary studies. Those students who have competence in Japanese will be required to do some readings in that language, but a knowledge of the language is not a prerequisite. LEC

EALC 766 Japanese People: Their Culture and Literature (3). A study of Japanese people’s life cycle through a combination of theoretical social scientific observations of Japanese as a cultural group and personal literary descriptions of them. An individual research paper is required. (Not open to students with credit in EALC 366.) LEC

EALC 776 Seminar in Religion and Society in Asia: (1-6). Analysis of selected Asian religions and their relationships to selected Asian societies. May be taken more than once if subject matter varies sufficiently. (Same as REL 776.) Prerequisite: REL 507, REL 508, REL 509, or permission of the instructor. LEC

EALC 790 Topics in East Asian Languages and Cultures: ____ (1-3). Special topical courses covering a number of disciplines. Credit descriptions and prerequisites will vary. NOTE: May be repeated for up to 12 total credits. RSH

EALC 801 Directed Readings (1-5). Designed to meet the needs of advanced students whose study in East Asian studies cannot be met with regular courses. Prerequisite: Consent of instructor. RSH

EALC 899 Thesis (1-6). An inquiry into the source material upon a specific subject. THE

Japanese Courses

JPN 504 Advanced Modern Japanese I (3).
JPN 508 Advanced Modern Japanese II (3).
JPN 509 Business Japanese (3).
JPN 542 Introduction to Classical Japanese I (3).
JPN 544 Introduction to Classical Japanese II (3).
JPN 562 Modern Japanese Texts I (3).
JPN 564 Modern Japanese Texts II (3).
JPN 569 Advanced Business Japanese (3).
JPN 598 Readings in: ____ (1-3).
JPN 690 Seminar in: ____ (1-3).
JPN 801 Directed Readings and Research in Japanese (1-4). Advanced language training for the study of Japanese sources in the humanities or social science field of the student. Prerequisite: JPN 564 or consent of instructor. RSH

JPN 880 Advanced Japanese Research Materials (2). A detailed examination of various Japanese language reference works and research materials. Emphasis will be placed on the use of different types of reference works to carry out research strategies. Prerequisite: JPN 508 or equivalent and JPN 580. LEC

Korean Courses

KOR 504 Advanced Modern Korean I (3).
KOR 508 Advanced Modern Korean II (3).
KOR 562 Modern Korean Texts (3).

Ecology and Evolutionary Biology

See Biological Sciences: Ecology and Evolutionary Biology.

Economics

Chair: Joseph Sicilian
Director of Graduate Studies: Shu Wu
Snow Hall, 1460 Jayhawk Blvd., Room 415
Lawrence, KS 66045-7514, www.economics.ku.edu, (785) 864-3501
Professors: Barnett, Cornet, Ehrhart, El Hodiri, Ginther, Iwata, Rosenbloom

The Center for East Asian Studies is a National Resource Center funded by the U.S. government for the study of East Asia.

KU’s Institute for Policy and Social Research brings together social scientists from such disciplines as economics, education, environmental studies, geography, political science, public administration, social welfare, sociology, and urban planning.

Graduate Catalog

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under the direction of a thesis supervisor. This work is to be devoted to the completion of a satisfactory thesis. An oral examination is held on completion of the thesis. Students electing the nonthesis track must complete 30 hours of formal course work.

**Written Comprehensive Examination.** All candidates for the M.A. degree, including students enrolled in the M.A./J.D. program, must demonstrate proficiency in the application of economic theory through a written examination taken during the last semester of enrollment.

**M.A./J.D. Degree Program**

In this program a student can obtain both the Juris Doctor and the Master of Arts in economics in three years and one summer session. The requirements for the combined degree are as follows:

1. Admission to the M.A./J.D. degree program must be approved by the School of Law, the Department of Economics, and the College of Liberal Arts and Sciences.

2. The program requires 100 credit hours of course work, of which 82 hours must be completed in the law school and 18 hours in the Department of Economics. The department gives credit toward the M.A. degree for 12 hours of pertinent work in the law school, and the law school counts 8 credit hours in economics toward the J.D. degree. The 8 hours of economics courses that count toward the J.D. degree can be chosen from certain courses numbered 500-799 and from all 800-900 level courses. Prerequisites continue to apply, as does the requirement that all students seeking the M.A. degree must have taken several foundation courses that do not count toward a graduate degree in economics: microeconomics, macroeconomics, and calculus. In addition, ECON 700, ECON 701, and ECON 715 must be included in the M.A. program. The student takes only law classes the first year and spreads out the 18 hours of credit in economics in the following semesters (e.g., one course per semester).

3. The M.A./J.D degree is a nonthesis degree in economics.

4. A written comprehensive examination in economics is required of all candidates for the M.A./J.D. degree.

**Ph.D. Degree Requirements**

**Course Requirements.** In addition to meeting general requirements, the Ph.D. candidate in economics must complete a minimum of 54 credit hours of course work, at least 48 of which must be in economics.

1. All Ph.D. candidates must complete these core courses in economic theory and quantitative methods:

   - ECON 800 Optimization Techniques I
   - ECON 801 Microeconomics I
   - ECON 802 Microeconomics II
   - ECON 809 Optimization Techniques II
   - ECON 810 Macroeconomics I
   - ECON 811 Macroeconomics II
   - ECON 817 Econometrics I
   - ECON 818 Econometrics II
   - MATH 727 Probability Theory
   - MATH 728 Statistical Theory

2. Course work beyond these required core courses is a matter of choice for the student in consultation with his or her graduate adviser. The graduate adviser develops a program to assist the student in specialized interests. Each program must include a sufficiently broad range of topics in economics to prepare the student for comprehensive examinations.

**Qualifying Examinations.** Ph.D. degree aspirants must pass written qualifying examinations in microeconomics and macroeconomics after completion of the core courses in these areas, ordinarily at the beginning of the fourth semester of full-time study. A student who does not pass a qualifying examination may be permitted one retake, ordinarily at the end of the fourth semester of full-time study.

**Fields of Specialization.** Each student must demonstrate competence in at least two fields of specialization in economics by completing two courses in each of these areas. Current fields of specialization include financial economics, economic development, industrial organization, international economics, labor economics, econometrics, economic history, economic theory, and macroeconomics.

**Third-Year Paper.** Each student must complete a third-year seminar paper. This would typically be in one of the fields of specialization. Usually the third-year paper becomes part of the student’s doctoral dissertation.

**Comprehensive Oral Examination.** Upon completion of most of the course work and other requirements for the doctoral degree, inclusive of research skills and residence requirements, the student must prepare a dissertation proposal under the direction of a thesis adviser and pass a comprehensive oral examination related to the dissertation proposal.

**Dissertation.** Following the comprehensive oral examinations, the candidate must organize and write a dissertation on his or her chosen topic under the supervision of a dissertation committee.

**Final Oral Examination.** The candidate must defend the dissertation successfully in a final oral examination.

**Financial Aid**

Financial aid may be awarded in the form of Oswald Fellowships, Graduate Teaching Assistantships, or Graduate Research Assistantships. First consideration for financial aid is given to applications received before February 1. To be considered for GTAs, international students must include a score from the Test of Spoken English (TSE) or a TOEFL-iBT examination that includes a speech component.

**Facilities and Services**

In addition to KU computing and library facilities, students in the M.A. and Ph.D. programs may use the department’s computer laboratory, which provides access to a variety of databases and econometric software packages useful for economics research.

**Economics Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ECON 505</td>
<td>History of Economic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECON 510</td>
<td>Energy Economics</td>
<td>3</td>
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<tr>
<td>ECON 515</td>
<td>Income Distribution and Inequality</td>
<td>3</td>
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<tr>
<td>ECON 516</td>
<td>Income Distribution and Inequality, Honors</td>
<td>3</td>
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<tr>
<td>ECON 520</td>
<td>Microeconomics</td>
<td>3</td>
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<tr>
<td>ECON 521</td>
<td>Microeconomics, Honors</td>
<td>3</td>
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<td>ECON 522</td>
<td>Macroeconomics</td>
<td>3</td>
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<tr>
<td>ECON 523</td>
<td>Macroeconomics, Honors</td>
<td>3</td>
</tr>
<tr>
<td>ECON 526</td>
<td>Introduction to Econometrics</td>
<td>3</td>
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</tbody>
</table>

KU libraries contain more than 4.3 million volumes and more than 45,000 current periodicals in paper and electronic format. Library users have access to an online catalog of most library holdings. Visit [www.lib.ku.edu](http://www.lib.ku.edu).

Some departments do not offer all courses in any one semester. See the online **Schedule of Classes at [www.registrar.ku.edu](http://www.registrar.ku.edu)** for current course offerings.
(3). A study of the techniques employed in the development of underdevelopment, programming, policies and plans for development. Prerequisite: at least 3.00 (B) or graduate standing. LEC ECON 142 and ECON 144, ECON 520, and ECON 522 with a grade-point average of at least 3.00 (B) or equivalent. Applications of stochastic difference equation and simultaneous equations models. Applications of the general linear model and other application of growth theory to public policy. Prerequisite: ECON 520 and ECON 522 or consent of instructor. LEC ECON 760 The Theory of International Finance (3). An analysis of governmental fiscal activity and its economic effects with emphasis on the determination and incidence of budget policy. Prerequisite: ECON 520 and ECON 522; ECON 622 recommended. LEC ECON 761 Public Sector: Urban and Regional Finance (3). An analysis of the American state and local finance scene with special emphasis on urban and regional tax and expenditure problems and issues. Prerequisite: ECON 520 and ECON 522, or consent of instructor. LEC ECON 766 Economic History (3). The development of market economies and economic institutions. The course will focus on Europe, but will include comparisons with other developed nations. Topics include: long-run economic growth, the rise of capitalist agriculture and industry, the causes and consequences of technological change; changes in income distribution and economic organization; and the social and cultural effects of economic change. Prerequisite: ECON 520, ECON 522, and ECON 535 or ECON 530, or consent of instructor. LEC ECON 768 The Industrial Revolution (3). An examination of the development of the English and French industrial systems and its impact on the North American economy. Consideration will be given to the effects of demographic and technical changes upon economic structure and the changing economic relationships between nations. Prerequisite: ECON 520 or ECON 522 or consent of instructor. LEC ECON 769 Financial Economics (3). An introduction to the economic analysis of capital markets, the world of international investment, and the modern, financial-asset market approach to exchange rate determination as well as dynamic exchange rate models. Possible topics may include exchange rate overshooting, exchange rate crises, and international policy coordination. Prerequisite: ECON 605 and MATH 116. LEC ECON 770 Economics of the Labor Market (3). A theoretical and empirical analysis of labor supply and demand, human capital, information and labor mobility, unemployment, discrimination, and union behavior and influence. Prerequisite: ECON 520 and MATH 121 or MATH 115 and MATH 116. LEC ECON 800 Optimization Techniques I (3). Economic models involving the maximization of subject to equality and inequality constraints where the variables are in a finite dimensional Euclidean space. Characterization of optimal points by points of first and second order derivatives and by way of saddle points. Duality theorems of mathematical programming. Prerequisite: Consent of instructor. LEC ECON 801 Microeconomics I (3). An advanced course in price and distribution theory. Prerequisite: ECON 800 or consent of instructor. LEC ECON 802 Microeconomics II (3). The study of the operation of the economic system taking into account the diversity of goods and services. Primary attention is centered upon the study of the economic structure and the changing economic relationships between nations. Topics also cover metaphorical variables in a Euclidean space. Characterization of optimal points by first and second order derivatives and by way of saddle points. Duality theorems of mathematical programming. Prerequisite: Consent of instructor. LEC ECON 803 Growth Theory (3). The study of Harrod-Domar growth models; the Solov-Yu model; Uzawa’s two sector model; n-sector growth models; the Kanis-Fei development models; and other application of growth theory to public policy. Prerequisite: ECON 700 and ECON 701. LEC ECON 810 Optimization Techniques II (3). Economic models involving the maximization of an integral (a vector of integrals) subject to differential equality (inequality), integer equality (inequality), and finite equality (inequality) constraints. Characterization of optimal paths by way of first and second derivatives. Existence of optimal paths. Prerequisite: Consent of instructor. LEC ECON 811 Macroeconomics I (3). A survey of basic macroeconomic models, including Classical, Keynesian and money demand theory, the Phillips curve, international economic models, and fiscal and monetary policy. Prerequisite: ECON 809 or consent of instructor. LEC ECON 811 Macroeconomics II (5). Structure of dynamic models and intertemporal optimization. Monetary and real business cycle theory, and long-run economic growth. Microeconomic foundations of macroeconomics, theories of explicit and implicit contracts, and implications of overlapping generations models. Prerequisite: ECON 810. LEC ECON 817 Econometrics I (3). An intensive study of the general linear model and distribution theory associated with the multivariate normal; stochastic difference equation; autocorrelation, errors in variables. Prerequisite: MATH 628. LEC ECON 818 Econometrics II (3). The study of estimation and hypothesis testing within the context of the stochastic simultaneous equations model. Prerequisite: ECON 817. LEC ECON 820 Applied General Equilibrium (3). A study of numerical applications of Walrasian general equilibrium theory to problems in public finance, international trade, and macroeconomics. The Arrow-Debreu model will be reviewed with emphasis on 197...
phasis on the use of Kakutani’s fixed point theorem to prove existence of equilib-
rium. Fixed point algorithms used to solve the generated equilibrium model will be discussed. The Shoven-Whalley method for introducing taxes into the general equilib-
rium model will be discussed and extended to open economy models with tariffs and quotas. Financial markets and the instruments of exchange rates and tariffs will be introduced in perfect foresight models. Prerequisite: ECON 801. LEC

ECON 825 Tutorial (0). This course is designed to provide extra assistance for
graduate students in economics. RSH

ECON 830 Game Theory and Industrial Organization (3). A comprehensive introduction to
game theory and the theory of industrial organization. Basic game theoretic equilib-
rium concepts will be discussed in the context of static games, games of incomplete in-
formation, and dynamic games. These concepts will be applied to the theory of indus-
trial organization. Topics may include mechanism design, market failure, monopoly, imperfect competition, adverse selection, limit pricing, predatory pricing, innovation and
technical change, advertising and signaling theory, collusion and coordination, regula-
tion under incomplete information, agency and auditing problems, incentives in hier-
archies, job market signaling, insurance markets, nonlinear pricing and monopoly, and
gauging and long term relations. Prerequisite: ECON 801 and 802. RSH

ECON 831 Economics of Regulation (3). This course provides an analytical intro-
duction to the study of the economic rationale for and effects of government regu-
lation of industry. The emphasis will be placed on public utility regulation. 
Prerequisite: ECON 700. LEC

ECON 835 Comparative Economic Systems (3). Comparative studies of the organ-
ization, operation, and performance of economic systems. Theoretical issues in-
volving the comparison of different economic systems will be covered. Theoretical
categories of economic systems such as capitalistic economies, social-

cialisitc economies, and centrally planned economies, will be developed. Case
studies of economic institutions and economic performance in various countries will
be examined. Prerequisite: ECON 701. LEC

ECON 840 Microeconomic Issues in Development Economics (3). This course will
examine the process and policies of economic development from a microeconomic
perspective. Selected topics may include the use of input-output matrices in de-
velopment planning; price controls and corrections for their allocative distortions;
international trade policies; transformations from planned to market economies; la-
bor markets and labor mobility; and capital markets and capital mobility. LEC

ECON 842 Theory of Economic Planning (3). Formal construction of the founda-
tions of economic planning with emphasis on concise discussion of the logic be-
hind the techniques utilized in economic planning. Topics that will be studied in-
clude: social welfare, short-term planning, price guided planning procedures, non-price guided planning procedures, long-term planning objectives, and charac-
teristics of optimal plans. Prerequisite: ECON 701. LEC

ECON 844 Macroeconomic Issues in Development Economics (3). This course will
examine the process and policies of economic development from a macroeco-
nomic perspective. Topics will include the theory of growth in the dual economy, the
role of foreign trade in economic development, inflation and stabilization in develop-
ing economies, the problem of foreign debt, the relationship between fi-
nancial and real development, and various development policies. Prerequisite: ECON 810 or consent of instructor. LEC

ECON 850 The Advanced Theory of International Finance (3). This is an advanced
course in international finance. Possible topics include optimizing, equilibrium
models of exchange rate determination, empirical tests of international asset-pric-
ing models, international policy coordination, and properties of different interna-
tional monetary systems. Prerequisite: ECON 801. LEC

ECON 851 The Theory of International Trade (3). The study of the pure theory of
international trade; factor-price equalization, trade and welfare, general equilib-
rium in the international economy, comparative statics, and stability conditions.
Prerequisite: ECON 700. LEC

ECON 855 Natural Resources (3). Advanced analysis of the economic relations-
ships between natural resources, population, and environment. Emphasis is on
the analytical techniques useful for solving the economic problems of natural re-
source allocation over time. Prerequisite: ECON 700. LEC

ECON 860 Advanced Public Finance (3). A rigorous treatment of the economics of
the public sector. Emphasis will be placed on government expenditure and taxa-
tion. Possible topics include tax incidence, optimal taxation, dynamic analysis of
fiscal policy, public goods, and cost benefit analysis. Prerequisite: ECON 801 or
permission of instructor. LEC

ECON 866 Selected Problems in American Economic History (3). A critical study of
selected aspects of American economic history with particular emphasis upon the
testing of hypotheses that have been advanced to explain the growth and de-
velopment of the American economy. Prerequisite: ECON 766. LEC

ECON 869 Advanced Financial Economics (3). This course presents an analysis of
financial markets and instruments, together with the quantitative tools essential for
research in the field. The material will be presented in a discrete time setting and
will stress the role of the equilibrium model in economic theory. Topics will include
securities pricing in the absence of arbitrage, the theory of risk and utility in the
basic portfolio problem, mean variance analysis and the CAPM, the Martin-
gale properties of security prices, restricted participation, asymmetric information,
and recent empirical research. Prerequisites: ECON 810 or consent of instructor. LEC

ECON 880 Selected Topics in Economic Theory: ___ (1-3). An advanced course in
economic theory that will study selected topics in economic theory such as con-
sumer theory, linear economics, decision theory, stability of economic equilibrium,
comparative statics. Prerequisite: Consent of instructor. LEC

ECON 899 Master’s Thesis (1-10). THE
English

Chair: Marta Caminero-Santangelo, cmsgan@ku.edu
Wescoe Hall, 1445 Jayhawk Blvd., Room 3001
Lawrence, KS 66045-7594, www.english.ku.edu, (785) 864-4520

Associate Chair: Anna Naill, anewell@ku.edu,
3001H Wescoe Hall, (785) 864-4520

Director of Graduate Studies: Joseph Harrington,
jharrington@ku.edu, 3001C Wescoe Hall, (785) 864-2522

Professors: Atkins, Bergeron, Carothers, Cherniss, Devitt, Fowler, Graham, Hardin, S. Harris, Hartman, Hemenway, Johnson, Landsberg, Lim, Scott

Professors Emeriti: Boyd, Cobb, Contoski, Drayton, Gold, Gridley, Gunn, Habegger, Levine, Masinton, Orel, Quinn, Schultz, Springer, Sutton, Worth


Associate Professors Emeriti: Arnold, Cook, Lichter, Oruch

Assistant Professors: Fitzgerald, Grund, Mielke, Moriarty, Rowland, Schieberle

Assistant Professors Emeriti: Cohn, Warders

The department offers a full graduate program, leading to the M.A. (three options), M.F.A., and Ph.D. degrees.

Admission

To be admitted, a student must have a strong undergraduate record, particularly in the humanities. A grade-point average of at least 3.3 on a 4.0 scale normally is required. College courses should include at least 18 hours of junior/senior work in literature, and the student is encouraged to have a reading knowledge of an appropriate foreign language. Applicants are expected to have some familiarity with British and American literary history and the work of the major writers in English. More important than factual knowledge, however, is the ability to read significant texts sensitively and intelligently and to write good English prose. Candidates for admission must submit Graduate Record Examination scores in support of their applications.

Submit your application online at www.graduate.ku.edu.

Send one transcript and all other requested application materials to

The University of Kansas
Department of English
Wescoe Hall, 1445 Jayhawk Blvd., Room 3001
Lawrence, KS 66045-7594

M.A. Degree Requirements

While continuously enrolled, a student has a total of five years to complete the master’s degree. The candidate’s program should be arranged in consultation with the director of graduate studies or a member of the departmental committee on graduate studies.

Students who elect to write a master’s thesis must enroll in ENGL 899. M.A. candidates in Options Ia, Ib, and II must take at least 15 hours of their course work, in addition to ENGL 800, at the 700, 800, and 900 levels.

Option Ia—Literature. Requirements include

• One graduate course in English language/literature in Old and Middle English, and one in English literature 1500-1800

• One graduate course in each of two of the following: English literature post 1800, American literature, composition/rhetoric/literary theory

• Introduction to literary studies (taken at the first opportunity)

• A total of 30 hours in English courses carrying graduate credit. At least 15 of these, in addition to introduction to literary studies, must be at the 700 level or above and must include at least one seminar passed with a grade of A or B. Students electing the M.A. examination take the final oral examination. For students electing the M.A. thesis, the thesis defense constitutes the final oral examination. Students may enroll in ENGL 899 (thesis/examination hours) as necessary, but ENGL 899 does not count toward the 30-hour course requirement.

Option Ib—Literature and Literary Theory. Requirements include

• One graduate course in English language/literature in Old and Middle English, or one in English literature 1500-1800

• One graduate course in English literature post 1800, or in American literature

• Two graduate courses in literary theory

• Introduction to literary studies (taken at the first opportunity)

• A total of 30 hours in English courses carrying graduate credit. At least 15 of these, in addition to introduction to literary studies, must be at the 700 level or above and must include at least one seminar passed with a grade of A or B. Students electing the M.A. examination take the final oral examination. For students electing the M.A. thesis, the thesis defense constitutes the final oral examination. Students may enroll in ENGL 899 (thesis/examination hours) as necessary, but ENGL 899 does not count toward the 30-hour course requirement.

Option II—Language, Literature, and Composition. Requirements include

• Courses in literature: At least 6 hours, including at least 3 hours in English literature post 1800 or American literature

• Courses in language and composition: At least 6 hours in English language and/or in composition/rhetoric courses

• Introduction to literary studies

• A total of 30 hours in English courses carrying graduate credit. At least 15 of these, in addition to introduction to literary studies, must be at the 700 level or above and must include at least one seminar passed with a grade of A or B. Students electing the M.A. examination take the final oral examination. For students electing the M.A. thesis, the thesis defense constitutes the final oral examination. Students may enroll in ENGL 899 (thesis/examination hours) as necessary, but ENGL 899 does not count toward the 30-hour course requirement.

No matter the option chosen, the student also must demonstrate reading knowledge of one of the following foreign languages: French, German, Greek, Hebrew, Italian, Japanese, Latin, Russian, Old English, or Spanish. In each option, a final
oral examination is required—either an examination covering a list of required and selected texts or a thesis defense. **Master of Fine Arts Degree Requirements**

Requirements include:

- Four graduate courses (12 hours) in literature, English or American
- Four graduate courses (12 hours) in creative writing
- Seven to 9 hours in electives or practica chosen from graduate courses in the Department of English, or approved courses in another department
- ENGL 899 M.A./M.F.A. Thesis (15 hours). Original writing in prose fiction, poetry, drama, or nonfiction prose

**Ph.D. Degree Requirements**

Students entering the program with the B.A. have, while being continuously enrolled, eight years to complete the M.A. and Ph.D. combined. Students entering with the M.A. have five years to complete the Ph.D.

Requirements for the Degree of Doctor of Philosophy in English

1. Ph.D. candidates must earn 24 hours of credit in appropriate formal graduate courses beyond the M.A. At least 15 hours (in addition to introduction to literary studies if not taken for the M.A.) of this course work must be taken from among courses offered by the Department of English at KU beyond the M.A. Students with master’s degrees earned elsewhere may be required by the director of graduate studies, acting on behalf of the graduate committee, to take additional course work.

2. Required courses: Introduction to literary studies and two seminars offered by the Department of English at KU beyond the M.A. Students with master’s degrees earned elsewhere may be required by the director of graduate studies, acting on behalf of the graduate committee, to take additional course work. A reading knowledge of two of the following languages: French, German, Greek, Hebrew, Italian, Japanese, Latin, Russian, Old English, or Spanish, or demonstrated fluency in one of these.

3. A comprehensive examination, to be completed after satisfaction of formal course requirements. This examination, which has both written and oral components, consists of three areas of study.

4. In the semester following the comprehensive examination, a 90-minute dissertation proposal review, which is to provide formal direction for the dissertation.

5. At least one year of supervised quarter-time teaching for qualified candidates except for those who do not plan to undertake teaching careers or who have already had extensive teaching experience.


7. Final oral examination and defense of the dissertation.

**English Courses**

- ENGL 610 The Literature of England to 1500 (3).
- ENGL 620 Renaissance English Literature: ______ (3).
- ENGL 633 Milton (3).
- ENGL 640 British Literature, 1600-1800: ______ (3).
- ENGL 650 Romantic Literature: ______ (3).
- ENGL 655 Victorian Literature: ______ (3).
- ENGL 674 African Literature: ______ (3). NW
- ENGL 690 Studies in: ______ (3).
- ENGL 707 Literary Criticism to 1800 (3). An introduction to the major writings of literary criticism, in their historical context, from Plato and Aristotle to Samuel Johnson. LEC
- ENGL 708 Literary Criticism After 1800 (3). An introduction to modern criticism, in its historical context, from Wordsworth and Coleridge to the present. The emphasis will be on major critics and predominant schools. LEC
- ENGL 709 Critical Theory: Problems and Principles: ______ (3). Study of a topic (such as mimesis, influence, deconstruction) that is important in critical theory. May be repeated for credit as topic varies. LEC
- ENGL 710 Introduction to Old English (3). A study of the grammatical features of the earliest form of written English, with readings in Old English prose and poetry. LEC
- ENGL 712 Beowulf (3). Prerequisite: An introductory course in Old English. LEC
- ENGL 714 Middle English Literature (3). Reading of selected works in Middle English (exclusive of the works of Chaucer). LEC
- ENGL 720 Chaucer: ______ (3). Intensive study of either the Canterbury Tales or Troilus and Criseyde and the earlier poems. May be repeated for credit up to a maximum of six hours. LEC
- ENGL 725 Shakespeare: ______ (3). Intensive study of selected plays. May be repeated for credit as the topic changes. LEC
- ENGL 730 Topics in Early Modern Literature: ______ (3). Intensive study of texts written between 1450 and 1800. The course may be organized around a particular genre (poetry, prose, drama), historical period (e.g. Elizabethan literature), a major author (e.g. Milton), group of authors (e.g. women writers), or theme (e.g. literature and politics). Students will be expected to read and analyze literature, develop critical and theoretical skills, and write research papers. May be repeated for credit as topic varies. LEC
- ENGL 750 British Literature of the 19th Century (3). Intensive study of British literary works of the 1800s. Topics may focus on a particular genre, theme, historical period or group of authors. May be repeated for credit as the topic changes. LEC
- ENGL 752 Fiction Writing III (1-3). Practice in the writing of fiction under the direction of a member of the department working in conjunction with one or more writers in residence. Membership is limited to students who submit, well in advance of enrollment, manuscripts showing unusual ability. May be repeated for credit. LEC
- ENGL 753 Writers Workshop (1-3). An intensive course in writing prose fiction and/or poetry of original creation. May be repeated for credit as the topic varies. LEC
- ENGL 756 Forms: ______ (3). A study of literary works belonging to a particular genre or to multiple genres (fiction, nonfiction, poetry, drama etc), either in a particular form (short story, essay, sonnet, etc.), concerned with a particular topic, or illustrative of a particular element of craft (voice, point of view, character development, etc.). Intended primarily for creative-writing students with an interest in developing their skills at reading as writers. May be repeated for credit as the topic varies. LEC
- ENGL 757 Historical Novel: ______ (3). Intensive study of British literary works written during the 20th century. Topics may focus on a particular genre, theme, historical period or group of authors. May be repeated for credit as the topic varies. LEC
- ENGL 760 British Literature of the 20th Century: ______ (3). Intensive study of British literary works written during the 20th century. Topics may focus on a particular genre, theme, historical period or group of authors. May be repeated for credit as the topic varies. LEC
- ENGL 764 Modern Irish Literature: ______ (3). Intensive study of modern Irish literature. Topics may focus on a particular genre, theme, historical period or group of authors. May be repeated for credit as the topic varies. LEC
- ENGL 767 Studies in Modern Drama: ______ (3). Reading of selected works in modern and contemporary drama. May be repeated for credit as the topic changes. LEC
- ENGL 770 Studies in Life Writing: ______ (3). This course focuses on or surveys individual writers in the tradition of life writing or intensively examines topics such as "Autobiography," "Memoir and Diary," "Biography," "Slave Narrative," "Letters," "Personal Essays," or "Autobiographical Fictions." Special emphasis within a topic, such as period, gender, or ethnicity, is possible. May be repeated for credit up to a maximum of six hours. LEC
- ENGL 774 Topics in Literatures of Africa and the African Diaspora: ______ (3). An intensive study of the literatures of Africa and/or African diaspora (people of African descent dispersed around the world). This study will focus on the major characteristics of a particular period, genre, mode, and or group of authors in literatures such as African, African-American, Afro-Brazilian, African American, African Canadian, Black British. Critical theories pertinent to writers and their work will be covered. Topics may include studies in drama, poetry, or the novel; migration narratives; literature of a particular era, such as the Harlem Renaissance, Harlem Renaissance, or the Black Arts Movement; representations of gender, etc. As topics vary by semester, the course may be repeated for credit. Undergraduates with adequate preparation may enroll with permission from instructor. (Same as AAS 774.) LEC
- ENGL 776 American Literature to 1900: ______ (3). Intensive study of North American literary works before 1900. Topics may focus on a particular genre, theme, historical period or group of authors. May be repeated for credit as the topic varies. LEC
- ENGL 777 American Literature After 1900: ______ (3). Intensive study of North American literary works after 1900. Topics may focus on a particular genre, theme, historical period or group of authors. May be repeated for credit as the topic varies. LEC
- ENGL 779 U.S. Poetries Since 1900 (3). A colloquium for graduate students, sampling the range of poetries and poetics produced in the United States in the twentieth and twenty-first centuries. LEC
- ENGL 800 Composition Studies (3). This course surveys the field of composition studies, examining major issues and theories in the study of writing. The course may include theories from classical to contemporary rhetoric, composition theory from the twentieth century, and the most current debates in the study of writing. LEC
- ENGL 813 Criticalism and the Teaching of Literature (3). A survey of selected critical theory and of the applicability of critical theories to the teaching of literature. LEC
- ENGL 825 History of the English Language (3). Historical study of the English language. May be repeated for credit as the topic varies. LEC
- ENGL 787 Modern English Grammar (3). A study of contemporary English: phonology, morphology, syntax, and semantics. The emphasis is structural, but "traditional" grammar is referred to for contrast, example, and clarification. LEC
ENGL 800 Introduction to Graduate Study in English: (3). Acquaintance with resources and practice in techniques that are essential to other graduate courses. Major concerns include the writing and documentation of scholarly papers; basic reference and bibliographical aids; critical approaches to literature and literary historiography; and the place of language and rhetoric in English studies today. LEC
ENGL 801 Study and Teaching of Writing: (3). Survey of major concepts and issues in the study of writing, especially as applied to teaching composition. Practices in writing pedagogy are also discussed, and students' teaching of composition is observed and explored. Required of and enrollment limited to new teachers of English 101. May not be repeated for credit toward graduate degree. FLD
ENGL 802 Practicum in the Teaching of College English: (1). A course concerned primarily with the pedagogy of literature and writing about literature. Includes weekly group meetings, individual conferences, and class visits. Required of and enrollment limited to new teachers of English 102. May not be repeated for credit toward graduate degree. Course graded on a satisfactory/unsatisfactory basis. FLD
ENGL 803 Practicum in the Teaching of Creative Writing: (1). A course for graduate teaching assistants pursuing the M.F.A. or Ph.D. with emphasis in Creative Writing. Normally taken in the third year. Concerns primarily the pedagogy of creative writing: workshop techniques, approaches to conferencing, revision strategies, and the like. Includes weekly group meetings as well as class visits and individual conferences. May not be repeated for credit toward graduate degree. Graded on a satisfactory/unsatisfactory basis. Prerequisite: ENGL 801 and 802. FLD
ENGL 880 Topics in Composition Studies and Rhetoric: (3). Examination of selected topics in composition and rhetoric, such as literary studies, genre theory, dialogism, or writing across the curriculum. May be repeated for credit as the topic changes. Prerequisite: ENGL 780 or equivalent. LEC
ENGL 885 Writing Center Theory and Administration: (3). This course explores theories motivating writing center administration and practice. Students will investigate the multiple functions of writing centers, from writing labs associated with college composition instruction, to decentralized resources for writing faculty teaching writing across the disciplines, to elementary, secondary, and community support centers for writers, online administrative perspective, design a research study and propose actions such as creating policy, developing curricula, designing materials, or conducting assessments. (Same as LA&S 700.) Prerequisite: LA&S 400, ENGL 400, or consent of instructor. LEC
ENGL 896 Internship: (1-3). Practical experience under professional supervision in editing, theatrical production, and other activities relevant to the completion of an advanced degree in English. FLD
ENGL 897 Preparation for the M.A. Examination: (1). An independent reading course for students preparing to take the M.A. examination and not otherwise enrolled in the semester of the examination. Does not count toward the thirty hours required for the M.A. degree. The grade in the course will be a S or U, as determined by performance on the examination. Prerequisite: Consent of the Coordinator of Graduate Studies. RSH
ENGL 899 M.A./M.F.A. Thesis: (1-15). THE
ENGL 904 Seminar in Composition Theory: (3). Intensive study of one or more theoretical approaches to composition in English (e.g., rhetoric, text grammar, stylistics). Prerequisite: ENGL 800. LEC
ENGL 905 Seminar in the English Language: (3). Close study of the English language in a particular period. Prerequisite: ENGL 800. LEC
ENGL 908 Seminar in Literary Criticism: (3). Close study of one or more major critics, or a major critical school, or of a topic important in literary criticism. Prerequisite: ENGL 800. LEC
ENGL 915 Seminar in Medieval English Literature: (3). Study may center on either Old or Middle English language and literature. Prerequisite: ENGL 800. LEC
ENGL 916 Seminar in Chaucer: (3). Prerequisite: ENGL 800. LEC
ENGL 920 Seminar in Renaissance English Literature: (3). Close study of one or two major authors or of a group of related works. Prerequisite: ENGL 800. LEC
ENGL 926 Seminar in Shakespeare: (3). Prerequisite: ENGL 800. LEC
ENGL 932 Seminar in Milton: (3). Prerequisite: ENGL 800. LEC
ENGL 940 Seminar in Restoration and 18th-Century British Literature: (3). One or two authors are read closely, or a group of related works is studied. Prerequisite: ENGL 800. LEC
ENGL 950 Seminar in 19th-Century British Literature: (3). Concentrated study of one or two major figures, or a group of significant writers, or an aspect of the literary scene. Prerequisite: ENGL 800. LEC
ENGL 960 Seminar in 20th-Century British Literature: (3). Concentrated study of one or two authors, or a group of significant writers, or an aspect of the literary scene. Prerequisite: ENGL 800. LEC
ENGL 970 Seminar in American Literature: (3). Concentrated study of one or two authors or of historical periods or important movements. Prerequisite: ENGL 800. LEC
ENGL 974 Seminar in Literatures of Africa and the African Diaspora: (3). Advanced study in a topic related to literature, language, and cultures of Africa and the African Diaspora, such as a concentrated study of one or two authors, a group of significant writers, an historical period or important movement, or an aspect of the literary or cultural scene of Black writing. May be repeated for credit as the topic varies. LEC
ENGL 978 Seminar in _____: (3). Advanced study in a topic related to literature, language, theory, or a special skill such as analytical bibliography or editing. Prerequisite: ENGL 800. LEC
ENGL 979 Preparation for the Comprehensive Examination: (1-12). An independent reading course for students preparing to take the Ph.D. comprehensive examination. May not normally be taken in the semester or summer session immediately preceding the semester in which the comprehensive examination is taken. The grade in the course will be a P and will be changed to an A, B, C, D, or F grade by the comprehensive examining committee at the completion of the examination. Does not count toward the residence requirement. Prerequisite: Consent of the Coordinator of Graduate Studies. RSH
ENGL 998 Investigation and Conference: (1-6). Individual work in (a) language, (b) literature, (c) composition, or (d) the teaching of English, by properly qualified graduate students under the direction of appropriate members of the Graduate Faculty as assigned by the Graduate Director. Limited to 6 hours of credit toward the M.A. or Ph.D. degree; only on three-hour enrollment may substitute for a formal course in satisfying a field distribution requirement. Normally offered for only up to three credit hours in any one enrollment. Permission of the supervising faculty member and of the Graduate Director required for enrollment. RSH
ENGL 999 Doctoral Dissertation: (1-12). THE

European Studies

No graduate program in European studies is offered. The following courses may be taken for graduate credit.

European Studies Courses
EURS 500 Seminar in European Studies: (3).
EURS 501 Senior Thesis in European Studies: (3).
EURS 502 Senior Honors Thesis in European Studies: (3).
EURS 503 Europe Today: (3).
EURS 505 Studies in Exile Literature: (3).
EURS 506 Culture and Politics of the Cold War in Western Europe: (3).
EURS 507 Research in European Collections: (1-3).
EURS 508 Politics and Economics of Cultural Production in Western Europe: (3).
EURS 509 Introduction to the Study of Southern European Societies: (3).
EURS 510 Scandinavian Life and Civilization: (3).
EURS 511 Topics in European Studies: (3).
EURS 512 Irish Literature and Culture: (3).
EURS 536 Economic Issues of the European Union: (3).
EURS 550 Classics of Peace Literature: (3).
EURS 565 The Literature of Human Rights: (3).
EURS 580 Directed Study: (1-3).
EURS 581 Discussion Section in French: (1).
EURS 582 Discussion Section in German: (1).
EURS 583 Discussion Section in Italian: (1).
EURS 584 Discussion Section in Spanish: (1).
EURS 604 The European Union: (3).

Evolutionary Biology

See Biological Sciences: Ecology and Evolutionary Biology.

The Department of French and Italian participates in graduate exchange programs with universities in Créteil, Besançon, Strasbourg, and Clermont-Ferrand.

French M.A. and Ph.D. programs allow students to deepen their understanding of French literary traditions and to explore the interrelationships of literature, theory, and other disciplines.
French and Italian

See Film and Media Studies in the College of Liberal Arts and Sciences: School of the Arts chapter of this catalog.

Admission

A minimum of 26 credit hours of French is required for admission, including college preparatory work, of which 8 hours must be advanced undergraduate course work in French literature. Results of the Graduate Record Examination general test are required for domestic applicants. Test of English as a Foreign Language or International English Language Testing System, and the Test of Spoken English are required for nondomestic applicants. If the Internet-based TOEFL is available in the student’s country, it is required (in lieu of paper-based TOEFL or IELTS, and the TSE). Please see www.international.ku.edu/~oip/students/neypl for minimum required scores for the TOEFL and IELTS. Nondomestic applicants who wish to be considered for admission must demonstrate proficiency equivalent to completion of a second-semester course or complete the final graduation course in that language. For the other language, the student must demonstrate proficiency equivalent to completion of a fourth-semester course.

Financial Aid

The department offers graduate teaching assistantships to students pursuing graduate degrees. In addition, graduate students are eligible to apply for graduate fellowships (see Fellowships and Scholarships in the Graduate Studies chapter of this catalog) and for KU Direct Exchange Scholarships to France. The department also offers a number of awards for excellence in academic work and teaching.

French Courses

FREN 500 Advanced French Phonetics (3).
FREN 530 Studies in Film: ______ (3).
FREN 592 French Culture Through Film I, Beginnings to 1950 (3).
FREN 593 French Culture Through Film II, 1950-Present (3).
FREN 600 Studies in: ______ (3).
FREN 610 Thème et Version (3).
FREN 620 Expository French Writing (3).
FREN 680 Language Teaching and Advanced Conversation (2-3).
FREN 681 Language Teaching for Oral Proficiency (1).
FREN 700 Old French (3). Introduction to grammar and structure through the reading of representative works. LEC
FREN 701 History of the French Language (3). Major aspects of development and growth. Conducted in English. LEC
FREN 702 Provençal (3). Introduction to grammar and structure of the language through a reading of representative works from the Troubadour period. LEC
FREN 703 Structure of Modern French (3). Linguistic analysis of the phonological, morphological, and syntactic structure of modern French. Description in terms of current theories and models. Application of linguistic analyses to the teaching of French. LEC
FREN 704 Methods in French Language Instruction (3). This course provides an overview of current and historical approaches to foreign language teaching, with reference to the instruction of French. Past and current trends and methodologies of language instruction are examined in order to acquaint students with various classroom approaches. Research findings in second language acquisition are explored and their implications discussed so as to show how these findings lead to more effective classroom practices. LEC
FREN 720 Introduction to Graduate Studies in French (3). An introduction to the skills required of students doing graduate degrees in French literature; areas covered are 1) introduction to literary theory and criticism, 2) bibliography and research methodologies, 3) treatment of the major and minor in French literature, 4) comparative literature, and 5) writing a dissertation. LEC

Requirements. The following requirements are in addition to general requirements and those outlined above for the master’s degree in French.

1. Thirty hours beyond the M.A. (excluding dissertation hours).
2. FREN 810 Criticism and Critical Methods.
3. A knowledge of a non-Romance language and of a Romance language other than French. The language presented for the M.A. is accepted as one of these. For one language, the candidate must demonstrate proficiency equivalent to completion of a second-semester course or complete the final graduation course in that language. For the other language, the student must demonstrate proficiency equivalent to completion of a fourth-semester course.
4. A satisfactory command of written and spoken French and a reasonable familiarity with the history and civilization of France.
5. The completion of at least one year of half-time teaching in the department.
6. Such courses as the department may prescribe to ensure a broad grasp of the major field and the proper preparation for original research in the specific area of the dissertation. The comprehensive examinations in French are both written and oral.

M.A. Degree Requirements

1. Thirty credit hours, including
   - FREN 700 Old French
   - FREN 720 Introduction to Graduate Studies in French
   - FREN 610 Thème et Version or FREN 620 Expository French Writing
   - Two seminars of 3 hours each or a thesis (FREN 899, 6 hours)
   - FREN 704 Methods in French Language Instruction
2. A reading knowledge of Greek, Latin, German, or a second Romance language.
3. Comprehensive written and oral examinations.

Ph.D. Degree Requirements

Prerequisite. Completion of the M.A. degree at KU or a comparable institution. Applicants holding the M.A. in a discipline other than French may be required to take a qualifying examination.

Requirements. The following requirements are in addition to general requirements and those outlined above for the master’s degree in French.

1. Thirty hours beyond the M.A. (excluding dissertation hours).
2. FREN 810 Criticism and Critical Methods.
3. A knowledge of a non-Romance language and of a Romance language other than French. The language presented for the M.A. is accepted as one of these. For one language, the candidate must demonstrate proficiency equivalent to completion of a second-semester course or complete the final graduation course in that language. For the other language, the student must demonstrate proficiency equivalent to completion of a fourth-semester course.
4. A satisfactory command of written and spoken French and a reasonable familiarity with the history and civilization of France.
5. The completion of at least one year of half-time teaching in the department.
6. Such courses as the department may prescribe to ensure a broad grasp of the major field and the proper preparation for original research in the specific area of the dissertation. The comprehensive examinations in French are both written and oral.

French & Italian

Chimères, a journal of French and Italian literature, is published by KU graduate students.

Geography at KU has long been a leader in cartography, geographic information systems, and remote sensing.
search methods, and 3) training in preparation of critical essays and theses. Re-quired of all M.A. candidates unless specifically released by department. LEC

FREN 730 Introduction to French Poetry (3). A detailed introduction to versification, rhetoric, image and symbol as they apply to the study of poetry. Texts will be chosen from one or more periods of French literature and will include poems in verse and prose. Considerations and readings on the history of French poetry, on the composition of recueils, on poetic theory, and on the relation of poetry to other genres and media may be incorporated. LEC

FREN 732 Francophone Studies (3). Selected movements, themes, genres, topics in the cultures and/or literatures of the French-speaking world outside France. May be repeated for credit. LEC

FREN 740 Medieval French Literature (3). Literary history of the period, with discussion of representative works read for the most part in the original French. LEC

FREN 750 French Literature of the 16th Century (3). A survey of the major writers, covering Rabelais, Scève, Louise Labé, Marguerite de Navarre, Ronsard, Du Bellay, Montaigne, and d’Aubigné. LEC

FREN 763 French Drama of the 17th Century (3). Development of baroque and classical French drama, with emphasis on Corneille, Molière, and Racine. LEC

FREN 765 Non-dramatic French Literature of the 17th Century (3). Esthetics of baroque and classicism. Emphasis on Desartes, Pascal, La Rochefoucauld, Mme de Lafayette, although other authors may be studied. LEC

FREN 770 French Literature of the 18th Century (3). Special attention paid to Montesquieu, Voltaire, Diderot, and Rousseau; also development of novel and drama. LEC

FREN 782 French Novel of the 19th Century (3). Emphasis on major novels of the century: Balzac, Stendhal, Flaubert, and Zola. LEC

FREN 785 French Romantic Movement (3). Major Romantic writers viewed in context of intellectual, esthetic, and social milieu of period 1800-1850. LEC

FREN 787 French Post-Romanticism (3). Literary movements developing out of reaction to Romanticism: Naturalism, Realism, Naturalism. LEC

FREN 790 Contemporary French Writers (3). Major 20th century authors, stressing Proust, Gide, Giraudoux, Claudel, Sartr and Camus. LEC

FREN 792 Proust (3). Principal movements, structures, and tensions of A la recherche du temps perdu. LEC

FREN 799 Master’s Seminar (1). To meet Master’s degree requirement for continu-al enrollment. This course will be graded satisfactory/unsatisfactory. FDL

FREN 800 Studies in: (3). Study of topics not limited to one century. May be repeated for credit. LEC

FREN 810 Criticism and Critical Methods (3). Literary criticism from historical, theoretical, and practical point of view. LEC

FREN 812 Studies in the French Novel: (3). Selected topics to be specified. Study of form, movements, or themes in the French Novel, not limited to one century. May be repeated for credit. LEC

FREN 814 Studies in the French Short Story: (3). Selected topics to be specified. Study of form and theory of the French short story, not limited to one century. LEC

FREN 824 Arthurian Literature in France (3). Origins and development of Arthurian legend; analysis of major texts. Prerequisite: FREN 700. LEC

FREN 848 Studies in Medieval French Literature: (3). Various movements, themes, or genres. May be repeated for credit. LEC

FREN 850 Early Renaissance Literature (3). Emphasis on Rabelais, Marguerite de Navarre, Ronsard, Maurice Scève and Louise Labé. LEC

FREN 858 Studies in 16th Century French Literature: (3). Various movements, themes, or genres. May be repeated for credit. LEC

FREN 868 Studies in 17th Century French Literature: (3). Various movements, themes, or genres. May be repeated for credit. LEC

FREN 871 Literature of the Enlightenment in France (3). Philosophical thought in 18th century as reflected in literature. Emphasis on philosophies, with discussion of external influences. LEC

FREN 872 Novel of the 18th Century in France (3). Origins and development to Revolution; thematic analysis with attention to critical attitudes and their influence upon evolution of novel as genre. LEC

FREN 878 Studies in 18th Century French Literature: (3). Various movements, themes, or genres. May be repeated for credit. LEC

FREN 887 Symbolist Movement in France (3). Works of major symbolist poets, including Baudelaire, Verlaine, Rimbaud, Mallarmé, and Valéry. LEC

FREN 888 Studies in 19th-Century French Literature: (3). Various movements, themes, or genres. May be repeated for credit. LEC

FREN 897 New Directions in the French Novel (3). Samuel Beckett to the nouveau roman. LEC

FREN 898 Studies in 20th Century French Literature: (3). Various movements, themes, or genres. May be repeated for credit. LEC

FREN 899 M.A. Thesis (1-6). THE

FREN 900 Seminar in French: (3). Topics in literary, linguistic, and cultural research. May be repeated for credit. LEC

FREN 995 Investigation and Conference (1-3). Readings and research projects in French language, literature, and culture. Directed work to fulfill needs not met by available courses. One-three hours credit in any semester. Maximum credit for M.A.: Three hours. By special departmental permission only. RSH

FREN 999 Ph.D. Dissertation (1-12). THE

### Italian Courses

ITAL 502 Dante’s Divine Comedy I (3).
ITAL 503 Dante’s Divine Comedy II (3).
ITAL 695 Studies in Italian Literature (1-3).

### Genetics

Director: Erik Lundquist, erikl@ku.edu, (785) 864-5853
Haworth Hall, 1200 SunnySide Drive, Room 2034
Lawrence, KS 66045-7566
www2.ku.edu/~genet/genetics.html, jconnolly@ku.edu, (785) 864-4311


The Genetics Program at KU offers graduate students an integrated and multidisciplinary training in genetics focused on research. Students have the opportunity to interact with a diverse faculty who use modern molecular and mathematical approaches to address many different questions in modern genetics, including molecular and developmental genetics, evolutionary and ecological genetics, and human genetics. Genetics Program students earn a Ph.D. from a participating home department: Anthropology, Ecology and Evolutionary Biology, Molecular Biosciences, or Philosophy.

### Geography

Chair: Terry Slocum
Associate Chair: Johannes Feddema
Lindley Hall, 1475 Jayhawk Blvd., Room 213
Lawrence, KS 66045-7567, www.geog.ku.edu, (785) 864-5143
Graduate Adviser: Steve Egbert, 219C Lindley Hall, (785) 864-4252
Professors: Braaten, Dobson, Feddema, W. Johnson, Myers, Shortridge, Warf, Woods
Professors Emeriti: Augelli, Dienes, McColl, Nunley, Sorenson
Associate Professors: Brown, Egbert, Herlihy, McCleary, O’Lear, Slocum, Tucker, van der Veen
Assistant Professors: Brunsell, Cheong, Hirmas, J. Johnson, Li, Mechem

The graduate curriculum emphasizes broad geographic training while encouraging in-depth commitment to specialized concentrations. Students also are encouraged to take course work outside the department that complements their degree programs. Credit-hour requirements below are considered minimums for degree programs. Programs are tailored by the student and advisor to conform to the student’s interests and needs, as well as to fulfill the general degree requirements.

The central thrust of the department and the chief capabilities and interests of the faculty fall within these research-teaching areas: (1) human geography including cultural geography, regional development, and environmental policy; (2) geographic information science including cartography, geographic information systems, and remote sensing; (3) physical geography including geomorphology, soils, and biogeography; (4) regional geography including Africa, East Asia, Russia, Latin America, and the United States; and (5) atmospheric science and climatology.

### Admission

Applicants without prior training in geography are welcome but are required to improve their basic knowledge of the broad divisions of geography: systematic, methodological, and regional. Courses taken to remedy deficiencies may not count toward
graduate degrees. Graduate Record Examination scores (verbal, quantitative, and analytical) are required of all applicants.

Send all other requested application materials to

The University of Kansas
Department of Geography
Lindley Hall, 1475 Jayhawk Blvd., Room 213
Lawrence, KS 66045-7575

Geography M.A. Degree Requirements

The program continues the general training of the undergraduate degree but also provides for concentration in preparation for either for employment or further study. The student takes courses in several areas of the discipline as well as at least three courses in an acceptable concentration. The 30-credit-hour minimum for the M.A. thesis program may include 6 hours outside the department and a maximum of 6 hours for the master’s thesis. The M.A. degree requires a final oral examination. Students with 6 or more hours of Incomplete are denied permission to enroll until these hours are reduced to the allowable limit (5 hours).

Geography Ph.D. Degree Requirements

The aspirant is expected to demonstrate proficiency in research and achieve a teaching competence in geography. The student may concentrate in one area or may offer a concentration in a second area in the department or an outside discipline. Whatever the choice, the student develops the plan of research and study with the advice and supervision of professors in the chosen area(s) of concentration who also sit on the student’s examination and dissertation committees. A minimum of 30 hours of course and seminar work in addition to dissertation credit usually is required beyond the M.A.

There are several options for satisfying the Foreign Language or Other Research Skills requirement (see Doctoral Degree Requirements, Research Skills in the General Information chapter of this catalog), which must be completed before the aspirant can be admitted to the comprehensive examination. Possible options for meeting the requirement include the following:

1. Demonstrate a reading knowledge of two foreign languages relevant to the student’s research interest. For each language, the student must attain a level of competence to satisfy general requirements.

2. For a single foreign language, demonstrate a reading, writing, and speaking capability sufficient to enable the aspirant to do field work without an interpreter. An examination for competence, including written and oral portions, is conducted by a member of the department having expertise in that language or by an examiner from the appropriate language department.

3. Demonstrate a reading knowledge in one foreign language and a satisfactory capability in one research skill as listed below under 4a, 4b, 4c, and 4d.

4. Demonstrate a satisfactory capability in two research skills from the list below. The requirements are to be approved by the adviser with the agreement of the student affairs committee.

   (a) Computer science: Complete a computer course in electrical engineering and computer science (e.g., C++, Fortran, or Visual Basic) and create a substantial computer program that illustrates a geographic application of that language. Both the course and the computer program must be approved by the computer programming committee of the Department of Geography.

   (b) Mathematics: Pass 9 hours of courses at the 500 level or above.

   (c) Statistics: Pass 9 hours of courses outside the geography department at the 500 level or above.

   (d) Demonstrate research capability in a field relevant to the aspirant’s field(s) of specialization in geography. Examples are economics, sociology, psychology, geology, anthropology, and history. This involves at least 9 credit hours of graduate-level work normally at KU, including a minimum of one research seminar.

The general requirement of two semesters (or one semester and one summer) of residence in full-time academic pursuits also must be met before taking the comprehensive examination.

For additional Ph.D. requirements, please see Doctoral Degree Requirements in the General Information chapter of this catalog.

Atmospheric Science M.S. Degree Requirements

Details of the regulations on graduate study are included in the department’s Policies for Graduate Study in Atmospheric Science, available from the department office.

Entering students are expected to have completed an undergraduate degree in a physical science (e.g., physics, chemistry, atmospheric science, oceanography), mathematics, or engineering, and studied mathematics, including vector calculus and ordinary differential equations.

Required courses for the program include ATMO 710 Atmospheric Dynamics, ATMO 720 Atmospheric Modeling, and GEOG 716 Advanced Geostatistics. Electives include 3 credit hours in atmospheric science at the 700 level or above and 6 hours at the 500 level or above outside the geography department. A maximum of 6 hours of 500- and 600-level atmospheric science courses may be included in the program (excluding ATMO 505). The master’s thesis is a demonstration of a student’s ability to formulate an atmospheric science research problem, collect and analyze relevant data, synthesize appropriate literature, arrive at logical conclusions, and present the entire exercise in a public academic forum.

Handbook for Graduate Students

Detailed information on departmental regulations is included in Graduate Study in Geography at the University of Kansas, available from the departmental office or online at www.geog.ku.edu.

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<th>Atmospheric Science Courses</th>
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<td>ATMO 505 Weather Forecasting (3).</td>
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<td>ATMO 506 Forecasting Models and Methods (3).</td>
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<td>ATMO 515 Energy and Water Balance (3).</td>
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<td>ATMO 521 Microclimatology (3).</td>
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<td>ATMO 525 Air Pollution Meteorology (3).</td>
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<td>ATMO 531 Topics in Atmospheric Science: _____ (1-3).</td>
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<td>ATMO 605 Operational Forecasting (2).</td>
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<td>ATMO 606 Forecasting Practicum—Private Industry (2).</td>
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<td>ATMO 607 Forecasting Intern—National Weather Service (2).</td>
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<td>ATMO 630 Synoptic Meteorology (3).</td>
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<td>ATMO 642 Remote Sensing (3).</td>
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<td>ATMO 650 Advanced Synoptic Meteorology (3).</td>
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<td>ATMO 660 Advanced Dynamic Meteorology (3).</td>
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<td>ATMO 680 Physical Meteorology (3).</td>
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<td>ATMO 690 Special Problems in Meteorology (1-3).</td>
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<tr>
<td>ATMO 697 Seminar for Seniors (1).</td>
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Some of the foremost cultural and regional geographers in the nation are faculty members at KU.

KU has one of the strongest reputations in physical geography in the nation.

Geographers trained at KU are now on faculties at major institutions throughout the country.

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THE UNIVERSITY OF KANSAS 2009-2011
Liberal Arts & Sciences

ATMO 699 Undergraduate Research (2).
ATMO 710 Atmospheric Dynamics (3). Presentation of contemporary approaches to the study of atmospheric dynamics. May include methodologies that provide insight into global, synoptic, mesoscale or microscale motions. Prerequisite: ATMO 660 or equivalent. LEC
ATMO 720 Atmospheric Modeling (3). Illustration and application of contemporary approaches and theoretical and statistical description of atmospheric phenomena. Prerequisite: MATH 122, ATMO 640, ATMO 680, and a course in statistics, or consent of instructor. LEC
ATMO 727 Atmospheric Storms (3). The physical processes and operating principles of storms, as well as the development and life cycles of extreme or unusual weather events including tornadoes, blizzards, lightning displays, and tropical storms. Prerequisite: ECS 138, MATH 121, and ATMO 320. LEC
ATMO 731 Advanced Topics in Atmospheric Science: (1-3). Advanced investigation of special topics in atmospheric science. May include topics in dynamic, physical or synoptic meteorology or climatology as well as related topics in earth and physical sciences. May be repeated if topic differs. LEC
ATMO 750 Numerical Weather Prediction (3). An exploration of the mathematical methods used to describe the current state of the atmosphere and to predict future states. Current operational numerical weather prediction techniques will be included. Prerequisite: ATMO 660. LEC
ATMO 825 Seminar in Climatology (2-3). LEC
ATMO 827 Seminar in Atmospheric Science (1-3). LEC
ATMO 899 Master's Thesis (1-10). THE

Geography Courses
GEOG 510 Human Factors (4).
GEOG 511 Intermediate Cartography: (1-6).
GEOG 513 Cartographic Design (3).
GEOG 514 Visualizing Spatial Data (4).
GEOG 515 Behavioral Systems (3).
GEOG 516 Applied Multivariate Analysis in Geography (3).
GEOG 517 Data Handling and Map Symbolization (3).
GEOG 519 History of Cartography (3).
GEOG 521 Microclimatology (3).
GEOG 531 Topics in Physical Geography: (1-3).
GEOG 532 Geochronology (3).
GEOG 535 Soil Geography (5).
GEOG 536 Landscape Ecology (3).
GEOG 537 Elements of Plant Geography (3).
GEOG 538 Environmental Soil Physics and Chemistry (4).
GEOG 541 Geomorphology (4).
GEOG 550 Environmental Issues in Africa (3).
GEOG 551 Intermediate Economic Geography (3).
GEOG 552 Topics in Urban/Economic Geography: (1-3).
GEOG 553 Geography of African Development (3). NW
GEOG 556 Geography of the Energy Crisis (3).
GEOG 557 Cities and Development (3).
GEOG 560 GIS Application Programming (3).
GEOG 570 Geography of American Indians (3). NW
GEOG 571 Topics in Cultural Geography: (1-3).
GEOG 572 Political Geography (3).
GEOG 573 Advanced Geographic Analysis (3).
GEOG 575 Geography of Population (3).
GEOG 576 Cultural Geography of the United States (3).
GEOG 579 Geography of American Foodways (3).
GEOG 591 Geography of Latin America (3). SC
GEOG 592 Middle American Geography (3).
GEOG 593 Central American Peoples and Lands (3).
GEOG 594 Geography of the Former Soviet Union (3).
GEOG 595 Geography of Eastern Europe (3).
GEOG 596 Geography of China (3).
GEOG 597 Geography of Brazil (3).
GEOG 657 Geographical Models (3).
GEOG 658 Topics in Geographic Information Sciences: (1-6).
GEOG 670 Cultural Ecology (3).
GEOG 710 Information Design (3). Concepts and principles for the organization of verbal, numerical, and graphic/spatial data and their application to the production of information displays and instruments. Examination of the evolution of the information design process from the traditional to more interactive user-centered design approaches. The nature of human information processing in handling information for both visualization and analysis, with particular emphasis on decision-making and usability. Prerequisite: GEOG 510, INDO 570, PSY 318, PSYC 685, or equivalent, or consent of instructor. LEC
GEOG 711 Advanced Cartography: (3). An investigation of special topics in cartography. Can be repeated for different topics. Prerequisite: Consent of instructor. LEC
GEOG 713 Practicum in Cartography (1-6). Experience in the organization and presentation of cartographic material in lecture, discussion, and laboratory formats. May be repeated to a total of 15 credits. Prerequisite: Consent of instructor. LEC
GEOG 714 Field Experience (3). Working in a new environment presents problems unlike those encountered in a classroom situation. Data collection techniques and exercises discussed in this off-campus course are intended to provide experience with the collection of data to be used in decision making. Course location is dictated by the interests and composition of the student group; offered in the first three weeks of August. Geography majors are encouraged to attend. This course is required for graduate students. Fee required. Prerequisite: Junior-senior standing and fifteen credits in a class sequence. May not be repeated. May be repeated for credit. LEC
GEOG 716 Advanced Geostatistics (3). An introduction to the practical application of advanced geospatial statistical techniques. Potential topics include: spatial regression, interpolation, clustering, and advanced nonparametric statistics. Knowledge of a statistical package and GIS is assumed. Prerequisite: GEOG 516 or equivalent and GEOG 358 or equivalent. LEC
GEOG 719 Development of Geographic Thought (2-3). Critical analysis of the growth of geographic thought from antiquity to the present emphasis on structure of modern geographic organizations. Prerequisite: Twenty hours of geography or consent of instructor. LEC
GEOG 726 Remote Sensing of Environment II (4). An overview of techniques for computer analysis of digital data from earth orbiting satellites for environmental applications. Topics covered include: data formats, image enhancements and analysis, classification, thematic mapping, and environmental impact analysis. The laboratory exercises provide hands-on experience in computer digital image processing in the department's NASA Earth Science Remote Sensing Laboratory. Prerequisite: Introductory statistics and GEOG 526 or equivalent. LEC
GEOG 731 Topics in Physical Geography: (1-3). An investigation of special topics in physical geography. May include specific course work under the headings of geomorphology, climatology, soils, vegetation, quaternary, paleoenvironments, hydrology, etc. May be repeated. RSH
GEOG 733 Advanced Biogeography Field and Laboratory Techniques (3). This course provides graduate students with practical experience in field data collection techniques and laboratory data analysis methods. During the first half of the semester, students will work in the field using a variety of methods to measure such vegetation characteristics as: cover, density, biomass, leaf area index, and canopy architecture. Students will gain experience in the use of field instruments including a spectroradiometer, and techniques for quantifying vegetation biophysical attributes. The laboratory analyses component will include: data summary, data entry, correlation, regression, MANOVA, cluster analysis, and data display, and reporting. Recommended: GEOG 516 or multivariate statistics equivalent. LEC
GEOG 735 Soil Geomorphology (3). Examines the interaction of pedogenetic and geomorphic processes during the Quaternary with an emphasis on strategies and methodologies employed in soil-geomorphic studies. Group research projects incorporating field data collection and analyses are required. Prerequisite: GEOG 335 or 336 or consent of the instructor. LEC
GEOG 741 Advanced Geomorphology (1-3). Detailed discussions of processes and landforms of modern environments. Consideration in alternate semesters will be general methodology, and fluvial, arid regions, glacial, and shoreline geomorphology. Course may be taken more than once. (Same as GEOL 741.) Prerequisite: GEOG 541. LEC
GEOG 749 Topics in Stable Isotopes in the Natural Sciences: (2-3). Isotopic compositions of substances provide powerful insights into many topics in the natural sciences. Applications of isotopic analyses of carbon, hydrogen, oxygen, and nitrogen to selected research topics such as plant resource use, food web analysis, paleoecology, paleodiet reconstruction, hydrology, and soils genesis will be examined. Knowledge of isotope chemistry is not required. (Concepts necessary to understand pertinent articles will be taught during the first class meetings.) May be repeated. (Same as BIOL 749.) LEC
GEOG 751 Analysis of Regional Development (3). An analytical approach to spatial organization of economic activities and aspects of growth and development. Location theory and the geography of trade and migration. A research paper is required. Prerequisite: GEOG 551, or a course in economics, or consent of instructor. LEC
GEOG 752 Topics in Urban/Economic Geography: (1-3). An investigation of special topics in urban/economic geography. May include specific course work under the headings of energy, economic development, international trade, environmental perception, housing, transportation, and migration. May be repeated. LEC
GEOG 756 Energy Problems and the Economic-Physical Environment (2-3). This course investigates the economic, social, political, and environmental conditions of energy production, transport, and use: total energy consumption and mix, relations to the level and structure of the economy, substitutability of fuel and energy sources, and resource endowment in an international setting. Prerequisite: GEOG 551, or a course in economics or consent of instructor. LEC
GEOG 758 Geographic Information Science (4). This course integrates topics in geographical information science (GISci) with spatial analytical techniques to solve spatial problems. Focuses on the most recent technology available to GISci and its relevance to the environmental sciences, natural resource management, and spatial decision-making. Students are expected to apply the concepts and techniques learned in this class to their own research projects. Prerequisites: GEOG 318 and GEOG 358; or consent of instructor. LEC

GRADUATE CATALOG 205
GEOG 771 Topics in Cultural Geography: (1-10). An investigation of special topics in cultural geography. May include selected course methodology, material culture, foodways, religion, and similar topics. May be repeated. LEC

GEOG 772 Problems in Political Geography (3). Case studies of regional and national power settings with particular emphasis upon the geographical analysis of political developments in unstable areas of the world. Prerequisite: GEOG 102 or GEOG 375. LEC

GEOG 773 Humanistic Geography (3). A discussion and project-oriented course focused on ways of studying the character and meaning of places. Concepts examined include place image and image makers, landscapes as text, sense of place, vernacular regions, and alternate representations of space. Prerequisite: Graduate standing or fifteen hours of geography or consent of instructor. LEC

GEOG 775 Proseminar in Population Geography (3). Evaluation of problem formulation data gathering, research methods, and substantive knowledge in the geography of human populations. Concurrent auditing of GEOG 575 plus an additional meeting each week. Prerequisite: GEOG 516 and SOC 514. LEC

GEOG 790 North American Regions: (3). A detailed description and analysis of selected regions of North America. Prerequisite: An introductory geography course or background in United States or Canadian history, social science, or culture or consent of instructor. LEC

GEOG 791 Latin American Regions: (3). A description and analysis of the principal sources of geographic information pertaining to portions or all of Latin America. Prerequisite: GEOG 591 or concurrent auditing of GEOG 591, or consent of instructor. LEC

GEOG 794 Regions of the Former U.S.S.R. (3). A description and analysis of geographic data pertaining to the successor states to the USSR. Prerequisite: Fifteen hours of Geography courses or background in Russian, East European or Middle East studies, or consent of instructor. LEC

GEOG 795 European Regions: (3). Prerequisite: Fifteen hours of geography, background in specified area, or consent of instructor. LEC

GEOG 796 Asian Regions: (2-3). Prerequisite: Fifteen hours in geography courses or background in Asia, or consent of instructor. LEC

GEOG 802 Urban Geographic Information Systems (3). An advanced survey of urban GIS/LIS focusing on: (1) history; (2) the wide range of applications from Automated Mapping/Facilities Management (AM/FM) to topologically related GIS; (3) generic analytical functions in both raster and vector modalities; and (4) software employed, hardware platforms, and institutional settings. A limited experience of the use of GIS is provided from exercises employing ARC/INFO software. Prerequisite: Some experience with DOS based computing. LEC

GEOG 805 Introduction to Graduate Study (2). A course required of all M.A. candidates to introduce geography as a research discipline. The course focuses on writing and editing, library materials, and the history and philosophy of the discipline. LEC

GEOG 808 Special Seminar (2). The second of two courses required of M.A. students designed to provide experience in the development of research proposals and exposure to methodologies in geography. This course deals with approaches to geographic problems, and involves individual examination of special topics which require preparation, presentation, and critical evaluation of research proposals. LEC

GEOG 818 Problems in Production Cartography (1-3). Advanced instruction in the theory and practice of producing maps and other related graphics for classroom instruction and research projects. Emphasis will be on current photo-mechanical and automated cartographic equipment and usage. By appointment. Consent of instructor. Fifteen hours of Geography courses or background in Russian, East European or Middle East studies, or consent of instructor. LEC

GEOG 835 Practicum in Soil Mapping and Soil Erosion (3). This course is designed to give graduate students field experience in soil mapping and in the evaluation of soils for loss through processes of erosion. Prerequisite: GEOG 335 or equivalent, or consent of instructor. FLD

GEOG 858 Environmental Geographic Information Systems (4). An introduction to the use of GIS for environmental inventory, monitoring, and modeling. This course integrates the principles of landscape ecology with the analytical tools of GIS, remote sensing, and spatial analysis. Students will be taught GIS methodologies used to address real world problems and the use of GIS spatial analysis techniques to characterize landscapes and monitor their change. Prerequisite: GEOG 316 and GEOG 558 or equivalents, multivariate analysis recommended. LEC

GEOG 890 Geographic Internship (1-6). Supervised professional experience. The student submits to the program committee a proposal describing the internship prior to enrollment. Upon acceptance, regularly scheduled meetings with the advisor provide assistance, guidance and evaluation of progress in the professional experience. A written summary of the experience or outcomes of the research project are prepared independently by the student, a representative of the host agency, and the adviser. Total credit not to exceed six hours. Prerequisite: Twelve hours of graduate level geography courses and consent of program committee. FLD

GEOG 898 Readings in Geography (1-4). RSH

GEOG 899 Master's Thesis (1-10). THE

GEOG 911 Seminar in Cartography: (1-4). Study of selected topics in cartography. Can be repeated for different topics. Prerequisite: GEOG 513 or consent of instructor. LEC

GEOG 912 Seminar in Quantitative Methods (2-3). LEC

GEOG 920 Seminar in Remote Sensing (2-3). Study of selected topics in remote sensing theory and application. May include independent or group research and/or development work. Topic will be specified in advance. Prerequisite: GEOG 726 or consent of instructor. LEC

GEOG 935 Seminar in Soil Geography (2-3). Subject matter varies but focuses on modern aspects as they relate to soil geography. Sample topics include micromorphology, paleopedology, and soil genesis. Field trip and fee may be required. Prerequisite: GEOG 735 or consent of instructor. LEC

GEOG 937 Seminar in Vegetation Geography (1-3). (Same as BIOL 968.) LEC

GEOG 939 Seminar in Fluvial Systems (2-3). Study of selected topics in theory and method of fluvial systems. Samples include hydraulic geometry, the nature of alluvial sediments, and basin case studies. Topic will be specified in advance. LEC

GEOG 957 Seminar in Urban and Economic Geography (2-3). LEC

GEOG 958 Seminar in Geographic Information Systems (2-4). Study of selected topics in analysis of digital geographic data. May include research and/or development work. Prerequisite: GIS 726 or equivalent, or consent of instructor. LEC

GEOG 970 Seminar in Cultural Geography: (2-3). Study of selected topics in the theory and method of cultural geography. Samples include religious patterns, folk architecture, and place-defining novels. Topic will be specified in advance. LEC

GEOG 972 Seminar in Political Geography (2-3). Study of selected topics in the theory and method of political geography. Samples include insurgent states, electoral patterns, and political ecology. Topic will be specified in advance. Prerequisite: GEOG 772 or consent of instructor. LEC

GEOG 975 Seminar in Population Geography (2-3). Study of selected geographic topics and problems dealing with the distribution of human populations. Prerequisite: GEOG 775 or consent of instructor. LEC

GEOG 980 Seminar in Geography: (1-3). LEC

GEOG 990 Seminar in Regional Geography: (1-3). (Selected areas to be specified.) LEC

GEOG 998 Research in Geography (1-5). RSH

GEOG 999 Doctoral Dissertation (1-10). THE

Geology

Chair: Robert H. Goldstein, (785) 864-2738
Lindley Hall, 1475 Jayhawk Blvd., Room 120
Lawrence, KS 66045-7575, www.geo.ku.edu, (785) 864-4974
Graduate Adviser: Ross A. Black, 316A Lindley Hall, (785) 864-2740
Professors: Fransen, Goldstein, Lieberman, Selden, Steeples, Walker
Professors Emeriti: Angino, Dellwig, Dort, Enos, Hambleton, McElwee, Robison, Rowell, Van Schmus
Research Professor: Dreschhoff
Courtesy Associate Professors: Engel, Ludvigson, Mandel, Miller Assistant Professors: Marshall, Moeller, Olson, Rankey, Stearns, M. Taylor

Courtesy Assistant Professor: Macfarlane

The department offers the M.S. and Ph.D. in geology but permits specialization in a number of areas of geology and in geophysics and hydrogeology. Active areas of instruction and research include geophysics, geomorphology, geochemistry, microbial bio-geochemistry, paleontology, sedimentology, tectonics, and petroleum geology. Students also may work with faculty supervisors at the Kansas Geological Survey and at Kansas State University.

Admission

Admission is based on academic records including grade-point average and general preparedness in geology and supporting sciences, letters of recommendation, and the applicant's stated academic and professional interests and goals. Results of the aptitude tests of the Graduate Record Examination are required. An attempt is made to balance the interests of students with the availability of faculty members to supervise them and laboratory space in which they may work. Consequently, new admissions in areas of geology that are heavily subscribed or in which the department has little expertise may be limited. As a result, some students who meet KU’s minimum standard for admission may be refused. Students who do not hold master’s degrees in geology normally are admitted to pursue the master’s degree. Students with exceptional records may be invited to study for the Ph.D. without first earning the M.S. degree.
Submit your application online at www_graduateku.edu.
Send all other requested application materials to
The University of Kansas
Department of Geology
Lindley Hall, 1475 Jayhawk Blvd., Room 120
Lawrence, KS 66045-7575

M.S. Degree Requirements
Details of the regulations on graduate study are included in the department’s Ground Rules for Graduate Students, available from the department office.
Prerequisites include credit in one year each of general biology, general chemistry, general physics, and calculus, plus junior- or senior-level courses in mineralogy, petrology, structural geology, paleontology, stratigraphy, geophysics, and a summer course in field geology. Students planning to specialize in geophysics also should have more advanced backgrounds in calculus and physics. Incoming graduate students meet with a departmental advisory review committee before enrollment to identify deficiencies and strengths and to set up curricula aimed at providing a broad background in geology at the intermediate to advanced level during the first year. Some deficiencies may be waived at this time if they are deemed nonessential.

Geology has many subdisciplines, and the department tailors each student’s curriculum to the needs of the individual. There is no departmental core curriculum or list of required courses.

Thesis Option (M.S. Degree). The master’s degree curriculum requires completion of 30 credit hours, including up to 6 credit hours for thesis research and an acceptable master’s thesis. The student sets the curriculum in consultation with a three-member advisory committee selected from the Graduate Faculty and approved by the graduate adviser. Course work counted toward the degree must be distributed to provide a comprehensive general knowledge of geology in addition to specialized knowledge required for the thesis. It may include courses in departments other than geology.

Although the department does not award a master’s degree in geophysics, students can specialize in geophysics at the master’s level. A similar arrangement is possible in the Department of Physics and Astronomy. This specialization is overseen by a committee with representatives from the Department of Physics and Astronomy, the Kansas Geological Survey, and the Department of Geology. The committee recommends requirements for the specialty degree and coordinates educational activities in geophysics. Research is supervised by departmental faculty members as well as by adjunct faculty members who are staff members of the Kansas Geological Survey. Similar arrangements can be made for students wishing to specialize in hydrogeology or paleontology.

The student must maintain a 3.0 grade-point average in geology and supporting science courses and pass a final oral general examination with emphasis on the areas of geology relevant to the thesis project. This examination may be repeated once, if necessary.

Nonthesis Option (M.S. Degree). A student may complete an M.S. degree program based primarily on course work and specialized skills. For this degree, a minimum of 36 credit hours of graduate-level study must be completed, including two written reports based on small projects. The student determines the structure of the project in consultation with an advisory committee of five faculty members. A student must declare an intention to follow the nonthesis option during the first semester of graduate study. The nonthesis degree is a terminal degree and normally cannot lead to doctoral study. In addition to maintaining a 3.0 grade-point average in course work, the student must demonstrate proficiency in the areas of geology covered by the program. This is accomplished by satisfactory performance on a series of written examinations assembled and administered by the advisory committee. These constitute the final examination for the degree and may be repeated once, if necessary.

During or after the period of residence, a student who wishes to change to an M.S. (thesis) program or a Ph.D. program must petition the graduate studies committee.

Ph.D. Degree Requirements
Doctoral students can specialize in any area of faculty expertise, including hydrogeology and geophysics. Prospective Ph.D. candidates are subject to the same initial requirements as master’s students. The master’s degree is not a prerequisite for doctoral aspirancy. A student with good backgrounds and good performance during the first two semesters may be invited to proceed directly toward the doctorate.

The student’s advisory committee and the student construct a curriculum that offers the best preparation for the chosen field of interest and satisfies the research skills requirement. Each student is expected to enroll in courses in supporting fields to develop a multidisciplinary approach to geology.

Research Skills. The department does not require specific foreign languages or other research skills for the Ph.D. Instead it gives advisory committees authority to develop curricula that prepare students for their chosen fields. With the approval of the advisory committee, the student may meet the research skills requirement by taking a curriculum or by completing a combination of languages, research skills, and courses. The curriculum in lieu of research skills is normally at least three graduate-level courses outside the department that are relevant to the specialty. The curriculum must be approved by the graduate adviser, and a list of these courses must be in the student’s file. This curriculum or the research skills must be completed before the oral comprehensive examination can be taken.

Admission to Candidacy. To be admitted to Ph.D. candidacy, a student must pass an oral comprehensive examination on the specialty in geology in which the student is doing doctoral research and on other relevant areas of geology or supporting sciences. The student must prepare and have approved a research proposal based on the doctoral research project before the oral comprehensive examination. The examination is based on the material presented in the proposal and its application to geology in general. The examination is conducted by a five-member faculty committee; one member of the committee must be from a department other than geology and is appointed by Graduate Studies on recommendation of the department. This committee is also responsible for conducting a final oral examination based on the doctoral dissertation. A three-person committee supervises research and preparation for the dissertation.

Active areas of instruction and research in geology at KU include geophysics, geomorphology, geochemistry, microbial biogeochemistry, paleontology, sedimentology, tectonics, and petroleum geology.

Paleontology at KU ranks third in the nation among public universities, according to U.S. News & World Report’s “America’s Best Graduate Schools” rankings for 2009.
Geology Courses

GEOL 512 Igneous and Metamorphic Petrology (3).
GEOL 513 Petrology Laboratory (1).
GEOL 521 Palaeontology (3).
GEOL 523 Palaeontology Laboratory (1).
GEOL 528 The Biology and Evolution of Fossil Plants (3).
GEOL 529 Laboratory in Paleobotany (1).
GEOL 532 Stratigraphy (4).
GEOL 534 Volcanology (3).
GEOL 535 Petroleum and Subsurface Geology (4).
GEOL 536 Geological Log Analysis (1).
GEOL 537 Petroleum Reservoir Characterization (3).
GEOL 541 Geomorphology (4).
GEOL 551 Engineering Geology (3).
GEOL 552 Introduction to Hydrogeology (3).
GEOL 560 Introductory Field Geology (3).
GEOL 561 Field Geology (3).
GEOL 562 Structural Geology (4).
GEOL 571 Natural Disasters (2-3).
GEOL 572 Geophysics (3).
GEOL 573 Geodynamics and Plate Tectonics (3).
GEOL 575 Seismic Exploration (3).
GEOL 576 Potential Fields Exploration (3).
GEOL 577 Environmental Geophysics (3).
GEOL 591 Topics in Geology: _____ (1-5).
GEOL 711 X-ray Analysis (1-2). Introduction to the theory and practice of X-ray diffraction and X-ray fluorescence analysis as applied to geological materials. Includes safety training necessary for the operation of X-ray analytical equipment in the department. Prerequisite: GEOL 311 and PHSX 115 or PHSX 212. LEC
GEOL 712 Microstructures and Petrofabrics (3). This course is geared towards developing a qualitative and quantitative understanding of the fundamentals of rock and mineral deformation necessary to interpret comprehensively microstructural data. Common structures and processes contain a wealth of information on kinematics, rheology, and boundary conditions of deforming rocks, important information that often goes unnoticed and unused. This course builds on knowledge acquired in undergraduate structural geology and petrology courses and will give students the tools for a more rigorous and sophisticated evaluation of thin sections and quantitative microstructural and textural data. Required field trip. Prerequisite: GEOL 512 and GEOL 562, or consent of the instructor. LEC
GEOL 713 Advanced Petrology (1). Advanced topics in igneous and metamorphic petrology with emphasis on mineral and isotopic zoning. Course may be repeated as topics covered vary. LEC
GEOL 714 Thermochronology (3). This advanced course is intended to provide students with an in-depth understanding of the fundamentals and an appreciation of the complexities of thermochronometry. The primary focus of this course is on modern thermochronological dating methods, a quantitative understanding of noble gas diffusion, data acquisition and interpretation, numerical modeling of complex thermochronological data, and hands-on laboratory experience in the KU thermochronology facilities. Prerequisite: MATH 122 and GEOL 717; or consent of the instructor. LEC
GEOL 715 Geochronology (3). Application of chemical equilibria and kinetics to geological environments and processes, with emphasis on processes involving solution equilibria which introduces transition to thermodynamic aspects of equilibria. Prerequisite: CHEM 188 and MATH 122. LEC
GEOL 716 Geologic Thermodynamics (2). Classical thermodynamics with an emphasis on phase equilibria, solid-solution chemistry, and modeling of natural systems. Prerequisite: Second semester calculus, or permission of instructor. LEC
GEOL 717 Geochronology (2-4). Principles and applications of natural radioactive systems for geochronology and cosmochronology, including use of radiogenic isotopes as geochronological tracers. Prerequisite: GEOL 512 or consent of instructor. LEC
GEOL 718 Stable Isotope Geochemistry (1-3). Principles and applications of stable isotopes among stable isotopes in the geological environment, with emphasis on the isotopic systems of hydrogen, carbon, and oxygen. Prerequisite: GEOL 715 or consent of instructor. LEC
GEOL 721 Micropaleontology (3). Systematics, palaeontology, evolution, and biostatigraphy of microfossils, particularly foraminifera, ostracodes, and conodonts. Preparation of material for study. Applications of micropaleontology to geologic problems. Prerequisite: GEOL 521 or BIOL 100 or 152. LEC
GEOL 722 Paleoecology (3). Principles of ecology as applied to the interpretation of past environments. Prerequisite: GEOL 521. LEC
GEOL 723 Paleontology Museum Apprenticeship (1-6). Provides directed, practical training in the care and maintenance of paleontological exhibits, and museum administration with emphasis tailored to fit the needs and interests of each student. Students should expect to spend a minimum of five hours per week for each hour in which they are enrolled. (Same as AMS 799, ANTH 799, BIOL 799, HIST 799, and MUSE 799.) FLDB
GEOL 724 Paleobiogeography (3). The study of the coevolution of the Earth and its biota. The class will focus on using phylogenetic approaches with fossil taxa to study how a taxon's range has evolved the influence of species interactions and to determine how species have spread from regions and across boundaries. Prerequisite: GEOL 521, or consent of the instructor. LEC
GEOL 725 Paleontology of Lower Vertebrates (3). General account of the osteology, geologic distribution, and evolution of the principal groups of fishes, amphibians, reptiles, and birds. Lectures and laboratory. (Same as BIOL 790.) Prerequisite: GEOL 105 or GEOL 304, or GEOL 521. LEC
GEOL 726 Paleontology of Higher Vertebrates (3). Evolution of mammals and anatomical modifications involved in the processes of ascertainment from the fossil record. Lectures and laboratory. (Same as BIOL 791.) Prerequisite: GEOL 105 or GEOL 304 or GEOL 521. LEC
GEOL 727 Macroevolution (3). This course will present a broad survey of topics in macroevolution including the differences between micro- and macroevolutionary patterns and processes and the manners of formulating and analyzing macroevolutionary questions. Discussions will focus on the relevance of hierarchy theory and levels of selection; an overview of species concepts, both ontological and epistemological; and an analysis of the neo-Darwinian synthesis as related to innovation in evolutionary theory. In addition, the relevance of contingency and extinction to evolutionary theory will be emphasized. LEC
GEOL 728 Paleopedology (3). Paleopedology is the study of ancient soils preserved in the geologic record. The course covers concepts of paleopedology and its application to the interpretation of paleoenvironmental, paleooecological, and paleohydrologic settings and its use in sequence stratigraphy and paleoclimatology. Prerequisite: GEOG 535, GEOL 331, or GEOL 532; or consent of the instructor. LEC
GEOL 729 Ichnology (3). Ichnology is the study of organism-substrate interactions. Topics will cover concepts and applications of ichnology in the marine and continental realms, including the behavior of such organisms as microbes, plants, invertebrates, and vertebrates preserved in the geologic record as trace fossils. Ichnology is applied in geology and in the petroleum industry to interpret ancient environments, hydrogeology, ecology, and climate. Prerequisite: GEOL 331, GEOL 521, or GEOL 532; or consent of the instructor. LEC
GEOL 731 Terrigenous Depositional Systems (4). Processes that operate in recent sedimentary environments, responses of sediment to those processes, and criteria for recognizing and interpreting depositional environments are presented. Includes discussions of sedimentary environments, interpretations of ancient environments, and field exercises. Prerequisite: GEOL 331 or GEOL 532. LEC
GEOL 732 Carbonate Depositional Systems (3). Patterns and processes of contemporaneous carbonate deposition and diagenesis, depositional models; applications
to interpretation of carbonate rocks. Lecture, discussion, laboratory and field trips. Prerequisite: GEOL 532 (may be taken concurrently). LEC

GEOL 741 Advanced Geomorphology (1-3). Detailed discussions of processes and landforms characteristic of specific environments. Considered during separate semesters will be general methodology, and fluvial, arid regions, glacial, and shoreline geomorphology. Prerequisite: May be taken more than once. (Same as GEOL 741). Prerequisite: GEOL 541. LEC

GEOL 751 Physical and Transport Hydrogeology (4). A study of fluid flow in the subsurface including transport of constituents with the fluid. Physical transport will consider (1) the origins of basic parameters as porosity and hydraulic conductivity, and their relationship to typical geologic materials, (2) basic equations of flow, such as Darcy’s Law and the conservation equation, and (3) application of these concepts. Applications considered may include hydraulic testing, modeling, and regional groundwater systems. Course will also cover processes of solute and contaminant mass movement in porous and fractured media by advection and diffusion. The effects of attenuating mechanisms such as partitioning, chemical and biological transformations will also be discussed. The mathematical expression of these processes will be developed and applied using computer models. (Same as CE 754). Prerequisite: Differential Equations and Introduction to Hydrogeology or Fluid Mechanics or consent of instructor. LEC

GEOL 753 Chemical and Microbial Hydrogeology (4). Lecture and discussion of chemical and microbiological controls on groundwater chemistry. Topics include thermodynamic and microbiological controls on water-rock reactions; kinetics; and microbiological, chemical and isotopic tools for interpreting water chemistry with respect to chemical weathering and shallow diagenesis. Origins of water chemistry, changes along groundwater flow paths, and an introduction to contaminant biogeochemistry will be discussed through the processes of speciation, solubility, sorption, ion exchange, oxidation-reduction, elemental and isotopic partitioning, microbial metabolism, and biogeochemical cycling. Applications of the concepts of environmental microbiology, including cell structure and function, microbial metabolism and respiration, microbial genetics and kinetics of microbial growth will be covered. (Same as CE 753). Prerequisite: Calculus of one or several variables, or consent of the instructor, physical, and an introductory course in hydrogeology, or consent of the instructors. LEC

GEOL 761 Regional Field Geology (1-5). A detailed field study of a carefully selected area that includes features of several phases of geology. Field trip fee. Prerequisite: GEOL 561, or equivalent and departmental approval. FLD

GEOL 763 Tectonics and Regional Geology (3). Topics vary with demand and include fundamental features of plate tectonics, interpretation and distribution of regional geology of mountain belts with emphasis on tectonic setting and processes, regional geology, and tectonics of selected mountain belts. Prerequisite: GEOL 562, GEOL 571, or GEOL 572. LEC

GEOL 771 Advanced Geophysics (1-3). Topics to vary with demand and include heat flow, wave propagation, synthetic seismograms, groundwater exploration, geothermal exploration, electrical methods in exploration, rock mechanics-geotechnics, rock magnetism, paleomagnetism, geophysical inverse theory, and others upon sufficient demand. May be repeated for different topics. (Same as PHSX 727). Prerequisite: GEOL 572 or GEOL 573/PHSX 528 or consent of instructor. LEC

GEOL 772 Geophysical Data Analysis (3). Fourier analysis, sampling theory, prediction and interpolation, digital signal processing, convolution, correlation techniques, deconvolution. Examples will be chosen from various fields of geophysics. (Same as PHSX 722.) Prerequisite: MATH 250/AE 250/ARCE 250/CE 250/C&PE 250/ECEC 250/EPHX 250/ME 250/METR 572 or GEOL 571. LEC

GEOL 773 Seismology (3). General theory of seismology, wave propagation, first and second arrivals, reflection and refraction of seismic waves, wave propagation in the earth, including the generation of artificial seismic waves, and seismic prospecting. Emphasis will be on obtaining actual solutions for practical problems. Prerequisite: MATH 250, or MATH 520, or consent of the instructor. LEC

GEOL 775 Near-Surface Seismology (3). Theoretical and applied study of all aspects of near-surface reflection, refraction, and surface-wave seismology from design and acquisition to interpretation. Prerequisite: MATH 250, GEOL 572, or consent of the instructor. LEC

GEOL 780 Conservation Principles and Practices (3). This course will acquaint the future museum professional with problems in conserving all types of collections. Philosophical and ethical approaches will be discussed, as well as the changing practices regarding conservation techniques. Emphasis will be placed on detection and identification of causes of deterioration in objects and inorganic materials, and how these problems can be remedied. Storage and care of objects will also be considered. (Same as AMS 714, BIOL 780, HIST 722 and MUSE 703.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

GEOL 781 Introduction to Museum Exhibits (3). This course will consider the role of exhibits as an integrated part of museum collection management, research, and public service. Lecture and discussion will focus on issues involved in planning and producing museum exhibits. Laboratory exercises will provide first hand experiences with basic principles of exhibition design and interpretation. Emphasis will be placed on the major components of an exhibit program in both large and small museums in the major disciplines. (Same as AMS 700, BIOL 787, HIST 723, and MUSE 703.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

GEOL 782 The Nature of Museums (3). The purpose of this course is to provide an overview of the kinds of museums, their various missions, and their characteristics and potentials as research, education, and public service institutions responsible for collections of natural and cultural objects. (Same as AMS 720, BIOL 788, HIST 720, and MUSE 702.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

GEOL 783 Museum Management (3). Lecture, discussion, and laboratory exercises on the nature of museums as organizations; accounting, budget cycles, personnel management, and related topics will be presented, as appropriate, case studies of a simulated museum model. (Same as AMS 731, BIOL 785, HIST 728, and MUSE 701.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

GEOL 784 Introduction to Museum Public Education (3). Consideration of the goals of museum public education, and ways in which museums develop programs, identifying potential audiences, developing audiences, and funding. Workshops and demonstrations are designed for students to gain practical experience working with various audiences and developing model presentations, following by development and implementation of computer models. Students will gain experience building models starting from basic transport equations using a spreadsheet platform and, where appropriate, commercial software packages. Prerequisite: GEOL 751 (may be taken concurrently) or equivalent, or consent of the instructor. LEC

GEOL 801 Field and Laboratory Methods: Physical Hydrogeology (1). Introduction to field and laboratory methods commonly used in physical hydrogeology. Practical experience with common water level measurement techniques, various well pumping techniques, well installation and geophysical core sampling, and hydraulic testing. Prerequisite: Introductory course in hydrogeology and familiarity with computer use for data processing, or consent of instructor. FLD

GEOL 852 Field and Laboratory Methods: Contaminant Transport (1). Introduction to laboratory methods for evaluating and developing models of contaminant transport, followed by development and implementation of computer models. Students will gain experience building models starting from basic transport equations using a spreadsheet platform and, where appropriate, commercial software packages. Prerequisite: GEOL 751 (may be taken concurrently) or equivalent, or consent of the instructor. LEC

GEOL 853 Field and Laboratory Methods: Chemical Hydrogeology (1). Practical experience in measuring unstable chemical parameters in groundwater, including pH, Eh, dissolved oxygen, temperature, alkalinity, specific conductance, and turbidity. Practical experience in collecting water samples for chemical analysis, appropriate sample containers and preservation methods, and special techniques for collecting samples for determination of parameters sensitive to environmental changes such as oxygen level or temperature. Prerequisite: GEOL 753 (may be taken concurrently) or equivalent, or consent of the instructor. LEC

GEOL 854 Field and Laboratory Methods: Geology (1). Practical experience in collecting water samples for preservation of microbes sensitive to environmental changes such as oxygen level or temperature. Prerequisite: GEOL 753 (may be taken concurrently) or equivalent, or consent of the instructor. LEC

GEOL 858 Special Studies in Geology (1-5). May be repeated. RSU

GEOL 890 Master’s Thesis (1-3). Prerequisite: GEOL 891. LEC

GEOL 891 Special Studies in Geology (1-5). May be repeated. RSU

GEOL 899 Master's Thesis (1-12). THE

GEOL 921 Advanced Invertebrate Paleontology (1-3). Detailed study of systematic, morphology, stratigraphic distribution and paleoecology of major groups of organisms in the fossil record. Specific group or groups covered will vary according to student and laboratory research needs. (Same as GEOL 592) Prerequisite: GEOL 311 and 321 or consent of the instructor. Repeated. Prerequisite: An introductory course in invertebrate paleontology. LEC

GEOL 932 Carbonate Petrology (3). Study of the physical and chemical factors important in the genesis and diagenesis of carbonate rocks. Includes the application of principles learned from reservoir geology to environments of the inter- pretation of ancient carbonates. Various analytical techniques are covered with emphasis on thin section petrography. Prerequisite: GEOL 331 and GEOL 732. LEC

GEOL 933 Sandstone Petrology (3). Description, classification, and interpretation of sandstone rocks, sandstone petrology, micropaleontology, palynology, and interpretation of provenance of sedimentary sequences. Prerequisite: GEOL 511 and GEOL 331 or GEOL 532. LEC

GEOL 991 Seminar in: (1-5). A review of the principles of the geological sciences considered are geology, petrology, invertebrate paleontology, groundwater, geochemistry, stratigraphy, sedimentation, micropaleontology, mineralogy, structural geology, and geophysics. Several may be taken concurrently. May be taken more than one semester. LEC

GEOL 999 Doctoral Dissertation (1-12). THE
Germanic Languages & Literatures

Chair: William Keel, german@ku.edu
Wescoe Hall, 1445 Jayhawk Blvd., Room 2080
Lawrence, KS 66045-7594, www2.ku.edu/~germanic, (785) 864-4657
Graduate Director: Leonie Marx, 2076 Wescoe Hall, (785) 864-9177

Professors: Baron, Keel, Marx
Professors Emeriti: Dick, Huelsbergen, Maurer
Associate Professors: Holmes, Vanchena
Associate Professor Emeritus: Fullenwider
Assistant Professors: Brown, Vyatkina

The department offers a full graduate program leading to the M.A. and Ph.D. degrees. In the Ph.D. program, a student may elect one of four specializations: German literature, Germanic philology, German applied linguistics, or Germanic linguistics.

Admission

In addition to general requirements, a student should have the equivalent of an undergraduate German major at KU. Submit your application online at wwwgraduate.ku.edu. Send all other requested application materials to
The University of Kansas
Department of Germanic Languages and Literatures
Wescoe Hall, 1445 Jayhawk Blvd., Room 2080
Lawrence, KS 66045-7594

M.A. Degree Requirements

Nonthesis Degree *

1. Thirty credit hours of graduate work in German. This requirement may be reduced for students in high standing. GERM 701, GERM 711, GERM 721, and at least one literature course from each of the following periods:
   • Age of Goethe or Romanticism,
   • 19th century,
   • 20th century,
   or, in exceptional cases, equivalent seminars (GERM 960-GERM 966) must be included in the minimum. Equivalent courses may be substituted with the approval of the departmental graduate committee. The remaining 12 hours may be taken from departmental course offerings in literature, philology, and linguistics at the graduate level.
2. A reading knowledge of Danish, Dutch, or French.
3. A written and oral examination.

Thesis Degree *

1. Thirty credit hours of graduate work in German, of which 3 hours must be in GERM 899 Master’s Thesis. This requirement may be reduced for students in high standing. GERM 701, GERM 711, GERM 721, and at least one literature course from two of the following literary periods:
   • Age of Goethe or Romanticism,
   • 19th century,
   • 20th century,
   or, in exceptional cases, equivalent seminars (GERM 960-GERM 966) must be included in the minimum. Equivalent courses may be substituted with the approval of the departmental graduate committee. The remaining 9 hours may be taken from departmental course offerings in literature, philology, and linguistics at the graduate level.
2. A reading knowledge of Danish, Dutch, or French.
4. A written and oral examination.

Ph.D. Degree Requirements

In addition to the general requirements for the Doctor of Philosophy degree concerning research skills, the oral comprehensive examination, the dissertation, and the final examination, a student must meet the following specific departmental requirements:

1. Normally a minimum of 27 credit hours (excluding GERM 999 Doctoral Dissertation) beyond that required for the M.A. Three courses should be in the student’s specialization; six courses should be in other areas. Students in philology or linguistics must have two courses in post-1400 literature; students in post-1400 literature must have two courses in philology or linguistics.
2. A reading knowledge of French and another modern language, Latin, or Greek. Students specializing in medieval philology or older literature must select Latin as the second language for reading knowledge.
3. At least one semester of half-time teaching or the equivalent (normally GERM 800 is required concurrently with the first semester of teaching).
4. A three-part written departmental preliminary examination. To be admitted to the Ph.D. oral comprehensive examination, the candidate must have passed all parts of the Ph.D. preliminary examination.

Max Kade Center for German-American Studies

Director: Frank Baron, german@ku.edu, Sudler House, (785) 864-7343 or 7342

The center collects materials on German culture in the United States and fosters scholarship in German-American, especially dialect, literary, and interdisciplinary cultural studies, including dissertation research. The materials—10,000 books, as well as magazines, journals, and other writings—were produced or brought to this country by German-speaking immigrants and exiles from Nazi Germany. Among the holdings are materials from the Turner societies of New York, Milwaukee and Lawrence. The center sponsors lectures, symposia, workshops, and conferences, publishes the Yearbook of German-American Studies for the Society of German-American Studies, and houses the Linguistic Atlas of Kansas Germa Dialects.

Special Library Collections in German

The Rainer Maria Rilke Collection comprises more than 1,200 volumes, including all first editions, critical editions, translations, bibliographies, criticism, and various materials on the reception of his works.

The Engel German Library is an endowed departmental library housing an expanding collection of reference works, standard editions, basic secondary literature, current German periodicals, newspapers and magazines, as well as tape recordings, records, slides, and audio-visual equipment.

German Courses

GERM 504 German Poetry (3).
GERM 568 German Literature from 1750-1805 (3).
GERM 572 German Literature from 1805-1890 (3).
GERM 576 German Literature from 1890 to the Present (3).
GERM 588 Deutsche Kulturkunde I (3).
GERM 590 Deutsche Kulturkunde II (3).
GERM 604 Introduction to the Germanic Languages (3).
GERM 608 German Literature from the Beginning to 1750 (3).
GERM 614 Course in Representative Authors: (3).
GERM 616 Topics in German Literature: (3).
GERM 618 Topics in German Language and Linguistics: (3).
GERM 620 Topics in German Culture and Folklore: (3).
GERM 626 Diplomatic Usage in Modern Colloquial and Literary German (3).
GERM 628 Translation into German (Advanced) (3).
GERM 630 Advanced German Grammar (3).
GERM 632 Deutscher Stil (Advanced German Composition) (3).
GERM 653 Investigation and Conference: (1-3).
GERM 681 Language Teaching for Oral Proficiency (1).

GERM 701 Introduction to the Study of Literature (3). Introduction to methods of literary research and presentation of seminar papers. Exercises in the use of basic guides to the study of German language and literature, in the documentation of scholarly research, and in the writing of interpretive essays, based on reading and discussion of selected works from different periods of the departmental "Basic Reading List." LEC

GERM 703 Methods of Literary Criticism (3). Differentiation of critical methods. Exercises in textual criticism. LEC

GERM 704 German Stylistics (3). Stylistic analysis of literary texts; writing in German. LEC

GERM 705 German Phonetics (3). A systematic study of German phonetics. Prerequisite: Graduate standing or consent of instructor. LEC

GERM 710 Workshop for M.A. Students (1). Discussion of policies in the M.A. program, examinations, thesis proposals, writing of theses, grant proposals, conference presentations, publications of scholarship, and entrance into the academic job market. Required of all M.A. students in the first year in the program. Does not count toward completion of 30 hours of course work for the M.A. IND

GERM 711 History of the German Language (3). A comprehensive introduction to the basic concepts of German philology and various aspects of historical linguistics, including the nature of language and linguistic change, discoveries of the pioneer philologists of the 19th century regarding the prehistory of German, and the beginnings of a national German language. LEC

GERM 712 The Structure of Modern Standard German (3). A descriptive study of the phonetics/phonology and grammar of contemporary standard German. Special emphasis on problems of teaching German to English-speaking students. LEC

GERM 716 Topics in German Literature: _____ (3). Intensive study of a selected topic in German literature. May be repeated. Offered only in conjunction with GERM 616 when taught by a Max Kade Distinguished Visiting Professor. Graduate students will be assigned additional work. LEC

GERM 721 Introduction to Middle High German Literature (3). The elements of Middle High German as required for reading medieval texts in the original. Intensive reading and literary study of at least one text in full. LEC

GERM 722 Early Modern Period (3). Reading and discussion of major literary works of the period; combined with lectures and background readings on literary, cultural, and political history. LEC

GERM 734 Age of Goethe (3). Reading and discussion of major literary works in the period; combined with lectures and background readings on literary, cultural, and political history. LEC

GERM 736 Post-Romantic 19th Century (3). Reading and discussion of major literary works in the period; combined with lectures and background readings on literary, cultural, and political history. LEC

GERM 738 Twentieth Century (3). Reading and discussion of major literary works in the period; combined with lectures and background readings on literary, cultural, and political history. LEC

GERM 751 Special Topics in Culture: _____ (3). Intensive study of a selected topic in German culture. May be repeated. LEC _____ (1-3). To be taken only in exceptional cases. Permission of the instructor who will supervise the student’s work is required. RSH

GERM 754 Studies in Humanism, Renaissance, and Reformation Literature: _____ (3). LEC

GERM 755 Studies in Baroque Literature: _____ (3). LEC

GERM 756 Studies in Enlightenment Literature: _____ (3). LEC

GERM 760 Studies on Writers of the Age of Goethe: _____ (3). LEC

GERM 762 Studies in Romanticism: _____ (3). LEC

GERM 764 Studies in the Literature of the 19th Century: _____ (3). LEC

GERM 766 Studies in Literature since 1890: _____ (3). LEC

GERM 800 Seminar: Teaching German as a Second Language (3). Introduction to selected aspects of second-language acquisition, foreign-language pedagogy, and contrasting grammar, with the major concentration on practical guidance in teaching elementary German, in test preparation and grading, and in the use of equipment. LEC

GERM 801 Practicum for GTAs (1). Discussion of matters relating to the teaching of German in specific courses. Required of all GTAs in each semester of teaching, unless enrolled in GERM 800. Does not count toward completion of 30 hours of course work for the M.A. or 27 hours of course work for the Ph.D. IND

GERM 822 Survey of Medieval German Literature (3). Text-oriented study of the literature of 750-1500 with selected readings in the original and in translation. Prerequisite: GERM 721. LEC

GERM 823 Readings in Middle High German Epics: _____ (3). Reading and literary analysis of one of the following: Nibelungenlied, Erec and Iwein, Tristan, Parzival. Prerequisite: GERM 721. LEC

GERM 824 Readings in Middle High German Lyrics (3). Reading and literary analysis of one of the following: Minnesangs Frueholing, Walther von der Vogelweide. Prerequisite: GERM 721. LEC

GERM 851 Studies in Germanic Philology: _____ (3). Topics to be announced. Emphasis on studies in etymology, semantics, vocabulary, medieval dialects, linguistic theories. Prerequisite: GERM 711. LEC

GERM 852 Special Topics in Literature: _____ (3). Prerequisite: GERM 701. LEC

GERM 854 Studies in the Works of: _____ (3). In-depth study of the work of a major author in German literature. Prerequisite: GERM 701. LEC

GERM 855 Introduction to German Applied Linguistics (3). Introduction to theories and topics in German applied linguistics. SEM

GERM 860 Introduction to Modern German Dialects (3). Introduction to modern German dialects, methods of dialect research and aspects of linguistic assimilation and loss as well as a survey of German-American dialects. Prerequisite: Permission of instructor required. SEM

GERM 889 Master's Thesis (1-6). THE

GERM 900 Workshop for Ph.D. Students (1). Discussion of policies in the Ph.D. program, research specializations, examinations, dissertation proposals, writing of dissertations, grant proposals, conference presentations, publication of scholarship, and entrance into the academic job market. Required of all Ph.D. students in the first year in the program. Does not count toward completion of 27 hours of course work for the Ph.D. LEC

GERM 901 Gothic (3). Reading of selected Gothic texts. Historical and descriptive study of Gothic phonology and grammar, with an introduction to comparative Germanic grammar. Prerequisite: GERM 711. LEC

GERM 902 Old Saxon (3). Introduction to the elements of its grammar and discussion of its role in the Germanic family of languages. Selected readings from the Heland and discussion of the entire work. Prerequisite: GERM 711. LEC

GERM 903 Old High German (3). Reading and discussion of selected prose texts and poetic documents; phonological and grammatical features of the Old High German dialects. Prerequisite: GERM 711. LEC

GERM 951 Seminar in Germanic Philology: _____ (3). LEC

GERM 952 Seminar in Medieval German Literature: _____ (3). LEC

GERM 953 Investigation and Conference: _____ (1-3). To be taken only in exceptional cases. Permission of the instructor who will supervise the student’s work is required. RSH

GERM 954 Seminar in Humanism, Renaissance, and Reformation Literature: _____ (3). LEC

GERM 955 Seminar in Baroque Literature: _____ (3). LEC

GERM 956 Seminar in Enlightenment Literature: _____ (3). LEC

GERM 960 Seminar on Writers of the Age of Goethe: _____ (3). LEC

GERM 962 Seminar in Romanticism: _____ (3). LEC

GERM 964 Seminar in the Literature of the 19th Century: _____ (3). LEC

GERM 966 Seminar in Problems in Literature Since 1890: _____ (3). LEC

GERM 967 Seminar in Special Topics: _____ (3). LEC

GERM 999 Doctoral Dissertation (1-10). THE

Scandinavian Courses

SCAN 560 Scandinavia Past and Present (3).

SCAN 570 Scandinavian Life and Civilization (3).

SCAN 660 Representative Authors in English (3).

SCAN 661 Topics in Scandinavian Languages and Linguistics: _____ (3).

SCAN 753 Investigation and Conference: _____ (1-3). Independent study and directed reading on special topics. Permission of the instructor is required. RSH

SCAN 906 Old Norse (3). Introduction to the grammar and reading of the prose literature of the “saga-age” (1100-1350). Varied selections from the literature provide the context in which the language is discussed. LEC

SCAN 907 Readings in Old Norse Literature (3). Intensive discussion of a single longer saga or several shorter works, or a combination of these on a single theme. Dialectal differences between W. Norse and older Germanic dialects will be noted. Prerequisite: SCAN 906. LEC

The Max Kade Center for German-American Studies collects materials on German culture in the United States and fosters scholarship in German-American.

KU has specialized German collections in Watson Library, Spencer Library, and Wescoe Hall.
Gerontology

Director: David J. Ekerdt
Dole Human Development Center, 1000 Sunnyside Ave., Room 3090
Lawrence, KS 66045-7561, www2.ku.edu/~kugerent, (785) 864-4130
Graduate Adviser: Susan J. Kemper, skemper@ku.edu, (785) 864-4130

Core Faculty: Ekerdt, Grobe, Hummert, Johnson, Kemper, LaPierre
Affiliated Faculty: Atchley (Psychology), Burns (Neurology), Chapin (Social Welfare), Clair (Music), Crawford (Anthropology), Deboeck (Psychology), Fawcett (Applied Behavioral Science), Ferguson (Speech-Language-Hearing), Fox (Health Policy and Management), Gallagher (Health, Sport, and Exercise Science), Hamburg (Dance), Hamilton (Psychology), Jackson (Hearing and Speech), Koenig (Social Welfare), Kunkel (Communication Studies), Little (Psychology), Luchies (Mechanical Engineering), D. Marquis (Philosophy), J. Marquis (Institute for Life Span Studies), McDowd (Occupational Therapy), McKenzie (Law), Michaelis (Pharmacology and Toxicology), Moore (Architecture), Nelson-Becker (Social Welfare), Nudo (Molecular and Integrative Physiology), Shireman (Preventive Medicine and Public Health), Vitevitch (Psychology), Williams (Nursing), Wilson (Mechanical Engineering), Zhang (Communication Studies), Zimmerman (Sociology)

Graduate study in gerontology at KU consists of two interdisciplinary programs, (1) Master of Arts and Doctor of Philosophy degrees in gerontology, and (2) a Graduate Certificate in gerontology. They are administered through the Gerontology Center, a component of the Schiefelbusch Institute for Life Span Studies.

M.A. and Ph.D. Program

The Doctor of Philosophy degree in gerontology was approved by the Kansas Board of Regents during the 1996-97 academic year. KU is one of the few universities nationwide offering the Ph.D. in gerontology. KU’s gerontology graduate program is unique in that it is an interdisciplinary research degree emphasizing social and behavioral gerontology. Faculty affiliated with the program include members of the College of Liberal Arts and Sciences, including the School of the Arts; and the Schools of Allied Health; Architecture, Design and Planning; Education; Engineering; Law, Medicine; Music; Nursing; Pharmacy; and Social Welfare. The graduate program in gerontology gives students a broad, advanced educational experience in gerontology. It provides a common focus for all students, yet allows each student to design a course of study most appropriate for her or his career objectives. Courses give students a multidisciplinary perspective on the issues and problems of aging, built on a strong foundation in basic research on aging. The program prepares students for academic and research careers in gerontology, as well as for professional careers in private and public institutions and agencies providing services to older individuals. Students seeking a terminal M.A. in gerontology are not admitted; the M.A. is offered only to those pursuing a Ph.D.

Application and Admission. Any student who has completed at least a B.A. or B.S. degree at an accredited institution of higher education may apply to the Ph.D. program. Required application materials include a résumé, a personal statement of professional and educational goals in gerontology, one copy of all undergraduate and graduate transcripts, list of all courses taken that are relevant to gerontology, three letters of recommendation, and scores from the Graduate Record Examination. Applicants whose first language is not English must submit proof of proficiency in English. GRE and other scores should be from the last three years. Further information is available from the graduate adviser or on the program’s Web site.

Submit your application online at www.graduate.ku.edu. Send all application materials to The University of Kansas
Gerontology Program, Admissions Committee
Dole Human Development Center
1000 Sunnyside Ave., Room 3090
Lawrence, KS 66045-7561

Program Requirements. For the Ph.D., the student must complete all general degree requirements, including residence, research skills, comprehensive oral examination, preparation of a dissertation, and the final oral examination.

Each student designs his or her own curriculum with the assistance of a support committee of three gerontology faculty members. All students are expected to acquire multidisciplinary training in gerontology by taking courses in the sociology, psychology, and biology of aging.

Students may enter the program with an acceptable master’s degree from KU or another institution. The admissions committee reviews master’s-level preparation for doctoral-level research. An acceptable level of preparation includes basic training in statistics, program assessment, or policy analysis and completion of an empirical research study or thesis.

Students entering the program without an acceptable master’s degree must complete the M.A. in gerontology before the Ph.D. The requirements for the M.A. in gerontology are as follows:

• Gerontology proseminar
• Six hours of core courses in gerontology (selected from at least two of the following areas: biology of aging, psychology of aging, social gerontology)
• Twelve hours of supplemental courses in gerontology and related fields
• Six hours of basic statistics courses
• Three hours of methodology
• Six hours of thesis credit

For students who enter the program with master’s degrees or who complete the M.A. in gerontology, minimum requirements for the Ph.D. are as follows:

• Gerontology proseminar
• At least 6 hours of core courses in gerontology (selected from at least two of the following areas: biology of aging, psychology of aging, social gerontology)
• At least 12 hours of additional supplemental courses in gerontology and related fields
• Six hours of advanced statistics courses
• Six additional hours of methodology
• Completion of written and oral comprehensive examination
• Six hours of dissertation credit, completion of dissertation, and final oral examination

A list of courses meeting requirements in gerontology, statistics, and methodology is available from the graduate adviser.

Evaluation of Satisfactory Performance. The gerontology proseminar and core courses should be completed during the first two semesters. Students normally are expected to complete the M.A. degree in two years. The maximum time limit for completing all requirements for the M.A. degree is three years. Students normally are expected to complete the Ph.D. within three years of entering the program or of completing the M.A. The maximum time limit for completing all requirements for the doctoral degree is eight years after admission to the doctoral program with an acceptable master’s degree or after completion of the M.A. degree in gerontology. Students who complete the M.A. degree in gerontology at KU and subsequently begin doctoral studies have a total enrolled time of 10 years to complete both degrees.
Written Preliminary Examination. Upon completion of the M.A., a major portion of the course requirements, and the research skills requirement, each student must pass a written preliminary examination. This examination covers two content areas reflecting the student’s area of concentration and integrates theoretical and methodological issues in gerontology.

Comprehensive Oral Examination. The comprehensive oral examination covers gerontology. The examination can take one of five forms: (1) a defense of the written preliminary examination, (2) a defense of a completed research project, (3) a defense of a prospectus for a future research project, including the dissertation, (4) a discussion of a major review paper written by the student, (5) a review of a research grant proposal and a simulated site visit defense of the proposal.

Dissertation Preparation and Final Oral Examination. Upon passing the comprehensive oral examination, the student becomes a candidate for the doctorate. Graduate Studies designates a dissertation committee based on the recommendation of the program. The dissertation committee includes at least three members of the gerontology program faculty.

After passing the comprehensive oral examination, the candidate must be continuously enrolled until all degree requirements have been met. When the completed dissertation has been accepted by the committee, but before it has been bound, and all degree requirements have been met, the program requests the final oral examination to be scheduled, allowing a minimum of two weeks to verify the requirements and publicize the examination. At least five months must elapse between successful completion of the comprehensive oral examination and the final oral examination.

Foreign Language or Other Research Skills Requirement. Doctoral students must demonstrate competence in a research skill “distinct from, but strongly supportive of, the dissertation.” The program advisory committee establishes requirements for research skills, including the following options: (1) demonstrated proficiency in a spoken language other than English that is relevant to research in gerontology; (2) demonstrated reading proficiency in two languages other than English that are relevant to research in gerontology; (3) competence in both computer programming and computer applications with relevance to research in gerontology; (4) a record of professional experience, publication, or presentation at professional meetings or a record of course work in a substantive area such as statistics beyond that required to satisfy the master’s or doctoral degree requirements in gerontology.

Research Experience. All students are expected to be continuously involved in research under the supervision of the graduate adviser and support committee. Research involvement includes the design, execution, and dissemination of research on aging.

Gerontology Certificate Program

The graduate certificate in gerontology allows students to combine a research interest in aging with graduate study in an academic department. Completion of the certificate enables students to apply specialized knowledge of the social, psychological, demographic, and biomedical aspects of aging to their professional disciplines. The certificate represents an additional credential for graduate students from a variety of academic fields who are preparing for careers in research and teaching or professional practice.

Admission. Any KU student in a degree-granting department or school at the master’s or doctoral level is eligible to apply for admission to the Graduate Certificate Program in Gerontology. Nondegree-seeking students also may apply. Further information about the Gerontology Certificate Program and the application process is available at www2.ku.edu/~kugeron or by writing to the graduate adviser: skemper@ku.edu.

Requirements. A detailed description is available on the Gerontology Center’s Web site. Students complete 15 hours of course work including a research practicum or field placement. The certificate enables students to integrate knowledge of gerontology into their own academic disciplines or professional training. Course work includes the gerontology pro-seminar, courses in the biology of aging, the psychology of aging, communication and aging, and social gerontology, as well as gerontology electives. These requirements are based on the recommendations of the Association for Gerontology in Higher Education for graduate certificate programs.

Courses

Cooperating departments and schools list courses related to aging. See the Web site for course listings from recent semesters.

Global Indigenous Nations Studies

Director: John Hoopes
Lippincott Hall, 1410 Jayhawk Blvd., Room 6
Lawrence, KS 66045-7537
www.indigenous.ku.edu, (785) 864-2660, fax: (785) 864-0370
Professor: Mihesuah
Associate Professors: O’Brien, Pierotti, Yellow Bird
Assistant Professor: Fitzgerald

The Global Indigenous Nations Studies Program offers an interdisciplinary master’s degree designed to prepare graduate students for academic careers; to conduct basic and applied scholarly research from a cross-cultural perspective; to develop innovative theories, methodologies, and research tools appropriate for Indigenous cultures; and to prepare candidates for assuming leadership and policy-making roles in Indigenous communities, higher education, and in state, national, and international organizations. Global Indigenous Nations Studies collaborates with the Tribal Law and Government Center in the KU School of Law and Haskell Indian Nations University. The program faculty consists of both core and affiliated faculty who represent a broad range of interdisciplinary and international skills and interests.

Admission

Regular admission is granted to qualified applicants who hold the baccalaureate degree or equivalent (for international students) and whose undergraduate grade-point averages are B or above (3.0 on a 4.0 scale). Applicants who do not meet these criteria but whose records and recommendations suggest likely success may be admitted on probationary or provisional status.

GINSP has several application deadlines. January 15 is the deadline to be considered for admission and nomination for a university scholarship or fellowship. March 15 is the deadline for admission and consideration for internal GINSP scholarships. A rolling deadline is allowed for applications to be received on a continuous basis.

Applications will not be considered until all the following materials have been submitted:

- Domestic or international online graduate application
- Application fee (nonrefundable check payable to the University of Kansas, see Admission in the General Information chapter of this catalog)
- Graduate Record Examination scores (international students must submit Test of English as a Foreign Language scores.)
- One official transcript from each previously attended college or university
- One two- to three-page personal statement
- Résumé

Graduate Certificate Program and the application process is available at www2.ku.edu/~kugeron or by writing to the graduate adviser: skemper@ku.edu.
Global Indigenous Nations Studies

- Three letters of recommendation and Graduate Studies letter of recommendation form
- Writing sample (research paper, etc.)
  Submit your application online at www.graduate.ku.edu.
Send all other requested application materials to
The University of Kansas
Global Indigenous Nations Studies
Lippincott Hall, 1410 Jayhawk Blvd., Room 6
Lawrence, KS 66045-7537

M.A. Degree Requirements and Concentrations

Students pursuing the M.A. in Global Indigenous Nations Studies must successfully complete a minimum of 30 graduate credit hours that reflect an approved area of specialization chosen in consultation with a faculty committee chaired by a faculty adviser in the program.

Core Curriculum. All GINS students must take the following required core courses (9 credit hours):
GINS 800 Research Methods and Indigenous Peoples............................. 3
GINS 801 Indigenous Peoples of the World............................................. 3
GINS 803 Introduction to Indigenous Nations Graduate Studies................... 3

Core courses provide proficiency in graduate-level research and writing, knowledge of issues affecting Indigenous Peoples in different parts of the world, and specific methodologies relevant to conducting original scholarship and training concerning Indigenous Peoples in a global context. In addition to the core courses, students must enroll in 9 credit hours of specialized electives and 9 credit hours of additional electives, all in courses at the graduate level (500 or above). Approved courses may be taken in different departments and programs, including English, history; geography; Latin American studies; women, gender and sexuality studies; East Asian languages and cultures; Russian, East European, and Eurasian studies; African and African-American studies; museum studies; ecology and evolutionary biology; religious studies; political science; psychology; anthropology; and law. Some degree candidates may be required to undertake a supervised apprenticeship.

Thesis/Nonthesis Options. Students must complete a master’s thesis or (with special approval) a nonthesis master’s project and enroll in at least 3 credit hours to complete this requirement. Both the master’s thesis and the nontlesis master’s project consist of original research that the student completes under the supervision of a faculty committee. Students must defend their research in an oral master’s examination that tests them on relevant knowledge and their ability to explain the importance of their work in the context of the goals of the Global Indigenous Nations Studies Program.

World Indigenous Graduate Exchange

WIGE is a graduate student exchange program established among KU, the University of Newcastle, Australia; and the University of Oulu, Finland. For more information, contact the Global Indigenous Nations Studies office.

Financial Aid

The program may nominate outstanding students for KU graduate fellowships and awards. Consideration requires submission of an application by January 15. GINSP offers a few scholarships for excellence in academic work. Consideration requires the submission of all application materials and also an additional original scholarship essay by March 15.

Global Indigenous Nations Studies Courses

GINS 504 Topics in Indigenous Nations Studies: (1-3). NW
GINS 510 Indigenous Women and Activism (3). NW
GINS 530 Indigenous Food and Health (3). NW
GINS 600 Research Methods and Indigenous Peoples (1-3).
GINS 601 Indigenous Peoples of the World (3).
GINS 602 Indigenous Decolonization and Empowerment (3)
GINS 603 Introduction to Indigenous Nations Graduate Studies (3)
GINS 612 Native American Opposition, Resistance, and Liberation (3).
GINS 613 Issues Facing Indigenous Peoples (3).
GINS 614 Decolonizing Narratives (3).
GINS 670 Indigenous Peoples' Health Status, Beliefs, and Behaviors (3).
GINS 673 Environmental Justice (3).
GINS 800 Research Methods and Indigenous Peoples (1-3). This course is an introduction to the social science methods of investigation and analysis that are used in Indigenous Nations Studies as a discipline. The nature of Indigenous Nations Studies data sources and methods of data collection, the logic of social scientific inquiry, and key methods of data analysis are emphasized. In addition, the social and educational implications of the results are examined in class.
GINS 801 Indigenous Peoples of the World (3). A survey of the native peoples of the world at the time of contact with Europeans. An overview will be presented of various Indigenous cultures. A few detailed studies of selected groups will be used to explore environmental settings, settlements and subsistence patterns, and the world view of the Western Hemisphere’s Indigenous societies. LEC
GINS 802 Indigenous Decolonization and Empowerment (3). An Indigenous focus on the foundation and impact of colonization, decolonization, empowerment and nation-building. LEC
GINS 803 Introduction to Indigenous Nations Graduate Studies (3). The goal of this course is two-fold: to introduce students to the academic discipline of Indigenous Nations Studies, its debates and contours, history, methods, and resources; and to develop the skills necessary to proceed successfully through the program. Unpacking key words and terms, critical thinking/reading and writing skills, and research skills will be emphasized. Guest lectures will serve to complement and broaden assignments and discussions LEC
GINS 804 Special Topics: (1-3). Designed to fulfill program needs of the Indigenous Nations Studies master’s program, this course may meet with appropriate professional or graduate courses. Can be repeated for credit when topic differs. LEC
GINS 805 American Indian Leadership (3). Students will analyze the qualities of American Indian leadership and will examine circumstances and backgrounds of Indian leaders as heroes and role models paying particular attention to how they responded as individuals, leaders, and as community members of their tribes. Besides surveying noted Indian leaders in treaty negotiations, allotment, removal, war, etc., the course will examine leaders in medicine, education, and recent American Indian history including attention to women leaders. Students will learn about the leaders’ tribes and cultures in addition to understanding the ethnohistory of Indian-white relations. LEC
GINS 806 Directed Readings (1-3). An individual readings course with a qualified instructor on a topic in Indigenous Nations Studies. LEC
GINS 807 Internship in Indigenous Nations Studies (3-6). A hands-on experience resulting in a written paper or journal from working with an Indigenous community, organization, tribal government, or government involving Indigenous people. A minimum of 300 contact hours is expected (for each 3 credit hours) with supervision from an GINS/INS program faculty member and approval from the GINS/INS program student adviser. LEC
GINS 809 Indigenous Women and Activism (3). This course examines gender and sexuality among Indigenous communities in the world. Ethnographies about indigenous women are used to explore a variety of gender and sexual identities. Gendered and sexualized identities are analyzed within broader societal contexts such as the division of labor, kinship, marriage household, and the control of resources. Power relationships are examined between sub-altern women and the larger society, nation and globalizing world in which they play a part. LEC
GINS 810 Indigenous Women and Activism (3). An examination of the roles and ideologies of prominent Indigenous female activists, tribal leaders and writers. LEC

KU’s Global Indigenous Nations Studies is the only graduate program in the United States to encourage interdisciplinary study of all Indigenous peoples in the Western Hemisphere.

Global Indigenous Nations Studies draws on the resources of KU’s Tribal Law and Government Center and the Center of Latin American Studies.

The World Indigenous Graduate Exchange is a graduate student exchange program involving KU, the University of Newcastle, Australia; and the University of Oulu, Finland.
GINS 811 Applied Indigenous Leadership (3). A preparation to train students in the skills of grant writing, leadership, conflict resolution, public presentation, organization and program development as applicable to Indigenous peoples. LEC

GINS 812 Native American Oppression, Resistance, and Liberation (3). An interdisciplinary examination of the effects of historical and contemporary forms of colonialism on the cultural and political strategies of resistance by Indigenous peoples within and beyond the borders of the United States. LEC

GINS 813 Issues Facing Indigenous Peoples (3). This seminar is normally team-taught, and it explores the theories and methods of selected cultural, environmental, legal, political and economic issues confronting Indigenous societies throughout the world. LEC

GINS 814 Decolonizing Narratives (3). With the decolonizing potential of Indigenous literary and cultural productions, this course seeks to both answer and explore such questions as: How can literary and cultural texts such as novels, poetry, music, and film be used to challenge the colonial and Eurocentric narratives as decolonizing methodologies can be applied to such texts? How do such texts contribute to and strengthen Indigenous political, intellectual, cultural, visual and rhetorical sovereignty? An overview will be presented from Indigenous literature, films and documentaries from North America, the Pacific, Australia, and New Zealand. LEC

GINS 824 Federal Indian Law (2.5-3). Addresses the law and policy of the United States concerning Indian nations and their members. Issues include the origins and contours of federal plenary power over Indian affairs, the scope of inherent tribal sovereignty, the limits of state power in Indian country, civil and criminal jurisdiction, and gaming. (Same as LAW 914) Prerequisite: Permission from instructor. LEC

GINS 830 Indigenous Food and Health (3). Investigates the historic diets of Indigenous peoples, the loss of traditional foods, hunting and fishing methods, food preservation and seed preservation. Traces through history the colonial policies and ideologies that caused the cultures to alter their ways of eating, resulting in unprecedented modern health problems. Will offer traditional cultural strategies for health recovery. LEC

GINS 862 Indigenous Archives (3). A discussion of what constitutes an archive, including the organization of Indigenous archives, the role of archivists, and the functions of an archives center as a profession. Includes a discussion of records management, with an emphasis on tribal archives collections and tribal records. Includes instruction on arrangement and description of tribal archival collections, funding, environmentally controlled storage, and disaster recovery planning. The class will specifically address the needs of tribal archives: tribal records, oral history interviews, photographs, literature, records, grant writing, and culturally sensitive materials. Students will learn about primary and secondary sources, different formats of writing professional research papers, and will produce a research paper at the end of the semester. LEC

GINS 863 Oral History (3). A discussion of the importance of the oral tradition in Indigenous nations and the difference between oral tradition and oral histories and myths. The course will focus on the methodologies of tribal oral history projects from organizational aspects to personnel issues, equipment needed, sources of grant funding, interview methodology, as well as documentation and preservation of the interviews. The course will discuss how to share and make available these interview views and when access to them needs to be restricted. The students will conduct videotaped oral histories as part of the class exercises and get hands-on experience with the preservation, organization, and transcription of oral history projects. LEC

GINS 864 Exhibiting Culture (3). A discussion of how museums and exhibits can be used in the documentation of Indigenous community ownership and the importance of Indigenous cultures to interpret their stories themselves. The class will also look at how different nations view the display and handling of their belongings and what kinds of objects and items would be handled and displayed. LEC

GINS 865 Grant Writing and Fundraising (3). A discussion of how to develop a grant writing and fundraising plan for a tribal project. Includes how to develop an idea or project and how to prepare a funding campaign. The students will produce a fundraising event and work on the various parts of an actual grant as the final class activity that will be designed to bring in funding to support KU Global Indigenous Nations Studies Program. LEC

GINS 866 Indigenous Museum Management (3). A discussion of the community models of museum management, including museum administration, professional positions within a museum, museum exhibits, public education programs, security, and disaster planning. The course will compare and contrast museum management in European/American museums and tribal museums and how these management styles affect collection policies, exhibit policies, traditional care of collections, sacred and ceremonial item handling and display, NACPRA and repatriation, and oral histories. LEC

GINS 867 Indigenous Records Management (3). A discussion of what constitutes a record and how to manage records at the business or government level. Train students in traditional management and technological policies, developing a records retention schedule, and how to plan and design a records management program for records pertaining to Indigenous nations. LEC

GINS 868 Indigenous Records Management II (3). A discussion of what constitutes a record and how to manage records at the business or government level. This is a second level of records management leading to preparation for taking the certification examination. LEC

GINS 869 Traditional Care of Collections (3). A discussion of on traditional care issues of handling and preserving of Indigenous belongings. The class will compare the methods of traditional care at tribal museums vs. conservation of Native items in mainstream museums. LEC

GINS 870 Indigenous Peoples’ Health Status, Beliefs, and Behaviors (3). This course is designed to explore the health status, beliefs, and behaviors of particular Indigenous populations. The course examines the role of internal and external influences on health, various mainstream and Indigenous models of health behavior, perceptions of illness and curing, health status, and healing practices. The course will focus on the groups of the Maori of New Zealand, First Nations in Canada, Palestinian people in the Middle East, American Indians, and Indigenous Australians. LEC

GINS 871 Community Health and Development (3). This course extends knowledge and skills for addressing issues in community health and development (e.g., substance abuse, adolescent pregnancy, child and youth development, prevention of violence). Students will perform core competencies such as analyzing community problems and goals, strategic planning, intervention, and evaluation, and then apply these skills to issues that matter to them and to the communities they serve. (Same as ABSC 710.) LEC

GINS 873 Environmental Justice (3). An examination of the impact of environmental justice and security in Indigenous communities throughout the world with a focus on tactics and strategies that incorporate Indigenous perspectives in responses and mitigation schemes. A survey of mining, dumping and storage of toxic and radioactive waste activities as related to Indigenous peoples. Case study analyses of economic, military and mining interests contrasted with perspectives emerging from cultural traditions and beliefs of Indigenous peoples and communities. LEC

GINS 874 Natural Resource Management: Indigenous Perspectives (3). An examination of resource management issues in Indigenous communities throughout the world with a focus on tactics and strategies that incorporate Indigenous perspectives in the management schemes. Case study analyses of management techniques derived from European-based science with Indigenous traditions and beliefs. LEC

GINS 875 Native and Western Views of Nature (3). A comparison of the attitudes and perspectives towards the natural world developed by different cultural traditions. A review of western attitudes and also the traditional ecological knowledge of Indigenous peoples toward management of natural resources, non-human animals, and the natural world. LEC

GINS 876 Comparative Law (2.5-3). General introduction and comparison of major legal systems of the world, with special emphasis given to how those systems reflect differing cultural values in addressing common legal questions. A major goal of the course is to deepen the students’ understanding of law and practice in the United States and to broaden their perspective of law beyond the boundaries of the common law systems. (Same as LAW 879) Prerequisite: Permission from instructor. LEC

GINS 877 Public Lands and Natural Resources (2.5-3). Devoted to the law and legal systems that govern the classification and use of one-third of America’s land mass. Includes a survey of the acquisition and disposition of the public domain; general federal statutes and doctrines that affect public land law; and different forms of federal lands classifications, including national parks, scenic rivers, and grazing lands. (Same as LAW 975) Prerequisite: Permission from instructor. LEC

GINS 879 Water Law (2.5-3). A study of water rights including the riparian and prior appropriation doctrines for surface water, and the various doctrines for groundwater. Private and public water distribution organizations, and special water districts. Water pollution control. Interstate conflicts over water resources. Federal government involvement in water distribution including federal powers and programs. Indian and reserved rights. Kansas water law. (Same as LAW 995) Prerequisite: Permission from instructor. LEC

GINS 882 Native American Natural Resources (2.5-3). This course provides a discussion of the operation of natural resource law as it applies to Indian Country. Among the topics to be discussed are water law, environmental protection, and subsurface property rights. While not a prerequisite, it is recommended that students take First Amendment Law before enrolling in this course. (Same as LAW 967) Prerequisite: Permission from instructor. LEC

GINS 883 Sovereignty, Self-Determination, and Indigenous Nations (2-3). Examines legal, governmental, political, social, cultural, and economic issues associated with American Indian tribal sovereignty and self-determination. Includes the source and scope of tribal sovereignty; the threats to tribal sovereignty; and the methods by which tribal sovereignty can be strengthened and revitalized. (Same as LAW 987.) Prerequisite: Permission from instructor. LEC


Greek
See Classics.

Haitian
See African and African-American Studies.

Health Policy and Management
See the School of Medicine chapter of this catalog.
History

Chair: Paul Kelton
Wescoe Hall, 1445 Jayhawk Blvd., Room 3650
Lawrence, KS 66045-7594, www.history.ku.edu, (785) 864-3569
Director of Graduate Studies, Luis Corteguera,
3630 Wescoe Hall, (785) 864-9469
Professors: Bailey, J. Clark, Epstein, Kuznesof, Levin, Lewis, Sivan, Tsutsui, Wilson, Worster
Associate Professors: Brooks, K. Clark, Corteguera, DeKosky, Earle, Greene, Kelton, Levin, MacGonagle, Moran, Napier, Rath, Rosenthal, Sax, Vicente
Assistant Professors: Cushman, Dorman, Jahanbani, Jenkins, Lu, Nelson, Tuttle, Warren, Weber, Wood

Fields of Study
The department has the following established fields, each with subdivisions:
• Ancient/Medieval History
• Modern European History
• Great Britain and the Empire
• Russian and East European History
• East Asian History
• Latin American History
• U.S. History
• Native American History
• History of Science and Medicine
• Environmental History
• Military/International History
• History of Women and Gender

Students may be permitted to pursue programs in additional fields appropriate to the expertise of the faculty, with the approval of the department’s graduate board.

Application Deadline
The application deadline for admission and financial aid is December 1, to begin the program the following fall semester.

Admission
The department accepts applications for both the M.A. and the Ph.D. Students who currently have only the B.A. but plan to study for the Ph.D. should apply for admission to the M.A. program.

Applicants are not required to have a B.A. in history to be eligible for admission. Because scholarly work in many fields of historical study depends on competence in one or more foreign languages, the department encourages applicants to have a reading competence in at least one foreign language before enrolling.

For complete information on required materials, visit the department Web site, www.history.ku.edu, and select Graduate Program. The department requires a completed application checklist, statement of purpose, résumé or curriculum vitae, and writing sample. All graduate applicants must take the Graduate Record Examination general test and have a copy of the results forwarded to the department.

KU’s doctoral program in history ranks 27th in the nation, according to U.S. News & World Report’s “America’s Best Graduate Schools” rankings for 2009.

History degree requirements are being revised. Consult the department for current information.

The University of Kansas enrolls more than 30,000 students.
present satisfactory evidence of proficiency in the first language before enrollment in the second semester of degree work. Appropriate proficiency in the second language (if necessary) must be achieved before the student may take the oral comprehensive examination.

Before taking the oral comprehensive examination, students must complete (in addition to the language requirement) a minimum of five colloquia and seminars, including two in the major field(s) and one in each secondary field. At least two of the five must be research seminars in which the student produces professional-quality, article-length papers (approximately 30 pages).

In lieu of written examinations, students compile portfolios of their professional work demonstrating command of their fields and their preparation to undertake dissertation research. Following presentation of the portfolio, students take an oral examination covering their fields of study and their dissertation proposals.

### History Courses

**HIST 500** History of the Book (3).
**HIST 502** Development of Ancient Greece, ca. 1000-300 B.C. (3).
**HIST 506** Roman Republic (3).
**HIST 507** Early Roman Empire (3).
**HIST 508** Late Roman Empire (284-527) (3).
**HIST 509** Multinational Corporations: The Role of Money and Power (3).
**HIST 510** Topics in: _____ (2-3).
**HIST 513** Early Medieval Culture (3).
**HIST 515** The Crusades in Cross-Cultural Perspective (3).
**HIST 516** Later Medieval Culture (3).
**HIST 519** European Intellectual History of the 17th Century (3).
**HIST 520** The Age of the Renaissance (3).
**HIST 521** The Age of the Reformation (3).
**HIST 522** The Age of Religious Wars, 1540-1648 (3).
**HIST 523** Europe Between Absolutism and Revolution (3).
**HIST 524** The French Revolution (3).
**HIST 525** Modern France: From Napoleon to de Gaulle (3).
**HIST 526** Nineteenth-Century Europe, 1789-1914 (3).
**HIST 527** Recent European History, 1870 to the Present (3).
**HIST 528** Economic History of Europe (3).
**HIST 529** Intellectual History of 19th-Century Europe (3).
**HIST 530** History of American Women—Colonial Times to 1870 (3).
**HIST 531** History of American Women—1870 to Present (3).
**HIST 532** History of Work and Women in Comparative Perspective (3).
**HIST 533** The History of Women and the Family in Europe, from 1500 to the Present (3).
**HIST 536** Modern German History: 1848 to the Present (3).
**HIST 537** France from the Renaissance to the French Revolution (3).
**HIST 538** European Intellectual History of the 18th Century (3).
**HIST 539** Britain and Ireland to 1200 C.E. (3).
**HIST 541** British History, 1500-1660 (3).
**HIST 544** Britain and Ireland from 1200 to 1500 (3).
**HIST 545** British History, 1660-1832 (3).
**HIST 546** History of Cartography (3).
**HIST 547** The Intellectual History of Europe in the 20th Century (3).
**HIST 548** British History, 1832 to the Present (3).
**HIST 550** The British Empire (3).
**HIST 551** Spain and Its Empire, 1450-1700 (3).
**HIST 553** Muslims, Christians, and Jews in Medieval Iberia (3).
**HIST 555** Aspects of British Political Thought (3).
**HIST 556** Aspects of British Political Thought, Honors (3).
**HIST 557** Nationalism and Communism in East Central Europe from 1772 to the Present (3).
**HIST 558** Religion in Britain Since the Renaissance: A Survey (3).
**HIST 559** Religion in Britain Since the Renaissance: A Survey, Honors (3).
**HIST 561** Liberation in Southern Africa (3). NW
**HIST 562** United States Environmental History in the 20th Century (3).
**HIST 563** U.S. Environmental Thought in the 20th Century (3).
**HIST 564** Medieval Russia (3).
**HIST 565** Imperial Russia and the Soviet Union (3).
**HIST 566** Russia in the 18th Century, 1800-1801 (3).
**HIST 567** Oil, The Great Powers, and the Persian Gulf, 1900 to the Present (3).
**HIST 568** Russia in the 20th Century and Beyond (3).
**HIST 569** The Middle East in the 19th and 20th Centuries (3). NW
**HIST 570** The Middle East Since World War II (3). NW
**HIST 571** The Spanish Borderlands in North America (3).
**HIST 572** The United States Borderlands: People, Place, Past (3).
**HIST 573** Latin America in the 19th Century (3).
**HIST 574** Slavery in the New World (3).
**HIST 575** History of Mexico (3).
**HIST 576** History of Central America (3).
**HIST 577** History of the Caribbean (3).
**HIST 578** Social History of South America (3).
**HIST 579** The History of Brazil (3).
**HIST 580** Economic History of Latin America (3).
**HIST 581** Topics in Third World History: _____ (3).
**HIST 582** Ancient Japan (3). NW
**HIST 583** Imperial China (3). NW
**HIST 584** Modern China (3). NW
**HIST 587** Early Modern Japan (3). NW
**HIST 588** Japan, 1853-1945 (3). NW
**HIST 589** Japan Since 1945 (3). NW
**HIST 590** Cultural History of Korea (3).
**HIST 591** Food in History: West and East (3).
**HIST 593** Modern Korea (3). NW
**HIST 594** Law and Society in Traditional China (3).
**HIST 596** Defining Japan: Marginalized Groups and the Construction of National Identity (3). NW
**HIST 597** Japanese Theatre History (3). NW
**HIST 598** Sexuality and Gender in African History (3). NW
**HIST 599** The Rise and Fall of Apartheid (3).
**HIST 600** West African History (3). NW
**HIST 601** Oral History (3).
**HIST 602** Religion in Britain 1785-1925 (3).
**HIST 603** History of Tibet (3). NW
**HIST 604** Contemporary Greater China (3). NW
**HIST 605** Medieval Japan (3).
**HIST 606** Childhood and Youth in America (3).
**HIST 607** The Family in History: Comparative Perspectives (3).
**HIST 608** History of Sexuality (3).
**HIST 609** History of Women and Reform in the United States (3).
**HIST 610** American Colonial History (3).
**HIST 611** Early American Indian History (3).
**HIST 612** History of Federal Indian Law and Policy (3).
**HIST 613** Slavery and Freedom in the Age of Jackson (3).
**HIST 615** Modern America, 1920-1945 (3).
**HIST 616** Contemporary America, 1942-Present (3).
**HIST 617** America in the 1960’s (3).
**HIST 618** History of the American West to 1900 (3).
**HIST 619** History of the American Indian (3). NW
**HIST 620** History of Kansas (3).
**HIST 621** The American West in the 20th Century (3).
**HIST 622** History of the Plains Indians (3).
**HIST 627** Growing Up in America (3).
**HIST 628** American Economic Development (3).
**HIST 629** The United States and the World to 1890 (3).
**HIST 630** The United States and the World, 1890-2003 (3).
**HIST 631** The Contemporary Afro-American Experience (3).
**HIST 634** The Scientific Revolution in the 16th and 17th Centuries (3).
**HIST 636** Agriculture in World History (3).
**HIST 639** Modern Revolution in Biology and Medicine, Harvey to the Present (3).
**HIST 640** Entrepreneurship in East Asia (3). NW
**HIST 646** Witches in European History and Historiography (3).
**HIST 649** History of Feminist Theory (3).
**HIST 651** History of American Business (3).
**HIST 653** American Constitutional History to 1887 (3).
**HIST 654** American Constitutional History since 1887 (3).
**HIST 660** Biography of a City: _____ (3).
**HIST 661** Palestine and Antiquity (3).
**HIST 666** Contemporary America, 1942-Present, Honors (3).
**HIST 670** Comparative Diasporas (3).
**HIST 696** Seminar in: _____ (3).
**HIST 699** Philosophy of History (3).
HIST 705 Globalization in History (3). A study of the increasing interaction among world societies since 1500 and an investigation of the long-term developments behind current world problems. Major topics include western expansion since 1500, the spread of state sovereignty, the formation of a world economy, and spread of international institutions. The current world problems investigated will vary, but may include issues such as environmental degradation, migration, international trade and the spread of consumer culture, ethnicity and nationalism, and international intervention within states. (Same as INTL 705.) LEC

HIST 719 Colloquium in Medieval Latin (3). An introduction to Medieval Latin for students preparing in social studies. The principal content will be chosen from various literary works, the Vulgate, law codes, legal documents, and other sources from the period 300-1500. May not be retracted for credit. Prerequisite: Four semester courses in Latin, Andrews-Safdie requirement, and/or consent of instructor of Ancient-Medieval graduate adviser. LEC

HIST 720 The Nature of Museums (3). The purpose of this course is to provide an overview of the kinds of museums, their various missions, and their characteristics and potentials as research, education, and public service institutions responsible for collections of natural and cultural objects. (Same as AMS 720, BIOL 788, GEOL 782, and MUSE 702.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

HIST 721 Introduction to Museum Public Education (3). Consideration of the goals of an institution’s public education services, developing programs, identifying potential audiences, developing audiences, and funding. Workshops and demonstrations are designed for students to gain practical experience working with various museum public education model settings. (Same as AMS 797, BIOL 784, GEOL 784, and MUSE 705.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

HIST 722 Conservation Principles and Practices (3). This course will acquaint the future museum professional with problems in conserving all types of collections. Practical and ethical approaches will be presented along with the technological rethinking of conservation techniques. Emphasis will be placed on detection and identification of causes of deterioration in objects made of organic and inorganic materials, and how these problems are prevented or remedied. The objects of study will be considered. (Same as AMS 714, BIOL 700, GEOL 780, and MUSE 706.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

HIST 723 Introduction to Museum Exhibits (3). This course will consider the role of exhibits as an integrated part of museum collection management, research, and public service. Lecture and discussion will focus on issues involved in planning and producing museum exhibits. Laboratory exercises will provide first hand experience with basic preparation techniques. Emphasis will be placed on the management of an exhibit, and the role of the exhibit coordinator and the major disciplines involved. (Same as AMS 700, BIOL 787, GEOL 781, and MUSE 703.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

HIST 725 Principles and Practices of Museum Collection Management (3). Lecture, discussion, and laboratory exercises on the nature of museum collections, their associated data, and their use in scholarly research; cataloging, storage, fumigation, automated information management and related topics will be presented for museums of art, history, natural history and anthropology. (Same as AMS 730, BIOL 798, GEOL 785, and MUSE 704.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

HIST 727 Practical Archival Principles (3). Study of the principles and practices applicable to the preservation, care, and administration of archives and manuscripts. Practical exercises will provide integral parts of the course content. (Same as AMS 791, BIOL 787, GEOL 783, and MUSE 708.) Prerequisite: Consent of instructor. LEC

HIST 728 Museum Management (3). Lecture, discussion, and laboratory exercises on the nature of museums as organizations; accounting, budget cycles, personnel management, and related topics will be presented, using as appropriate, case studies and simulations. Emphasis will be on the management and administration of museums. (Same as AMS 708, BIOL 785, GEOL 783, and MUSE 701.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

HIST 740 Topics in History for Educators: (1-3). Reading and discussion of selected historical topics, designed specifically for K-12 educators. Pedagogical methods and resources for the study of history will be addressed. Prerequisite: Approval of the instructor. LEC

HIST 747 Teaching about East Asia (2). An advanced survey of the history, culture, and contemporary affairs of China, Japan, and Korea, specifically designed for K-12 educators who wish to incorporate East Asian topics into their classroom teaching. Pedagogical methods and resources for the study of East Asia will be emphasized. Topics covered will address relevant benchmarks in the state curricular standards in social studies, themes from the Advanced Placement world history examination, and the national standards in world history. (Same as EALC 747.) Prerequisite: Approval of the instructor. LEC

HIST 748 East Asian Historical Materials: (3). The aim of the course is to provide students with both the tools needed for research and the ability to use those tools by assisting them in gaining experience reading primary and secondary language materials in Japanese and/or Chinese including texts in classical forms of these languages. The course will be a seminar and the use of historical materials as needed, students will read primary documents in conjunction with secondary readings in Japanese and/or Chinese. Fundamental aspects of paleography may also be introduced in this course depending on student need. Prerequisite: Reading ability of reading Japanese or Chinese and permission of the instructor. LEC

HIST 799 Museum Studies Apprenticeship (1-6). Provides directed, practical experience in the collection, care, use, and/or management of historical materials. (Same as AMS 799, ANTH 799, BIOL 799, GEOL 723, and MUSE 799.) Prerequisite: Consent of instructor. FLD

HIST 800 Readings: (1-8). Prerequisite: Consent of instructor. RSH

HIST 801 Colloquium in: (1-6). Reading and discussion of selected topics. LEC

HIST 802 Seminar in: (3). Research Seminar on selected topics. SEM

HIST 805 The Nature of History (3). Exploration of what the profession of history has developed in terms of training, concepts, and practices in both research and teaching. Consideration also of the major controversies that have developed over historical method and historical interpretation, giving general exegesis to American and European history by providing a relationship to the leading concepts of world history. LEC

HIST 806 Studies in: (3). The core course for each thematic major field in the graduate program in History. The course, offered in a colloquium style format, will consider the full range of methodologies or approaches appropriate to the field. LEC

HIST 807 Professional Development Colloquium in Pedagogy (3). This course will help train future professional historians to teach. It will focus on a variety of pedagogical topics and theories and history teaching methodology; development of analytical thinking; teaching research skills; promoting student involvement/participation; determining course goals; use of multi-media technology. In addition to attending class meetings of History 807, students will attend as observers throughout the semester one 500/600-level course in an area relevant to their future teaching and complete the readings assigned to the class. They will produce a course portfolio for an undergraduate course, including; a syllabus designed by the student; a set of assignments that will be part of that course, such as examinations and papers; sample lesson plans; an annotated bibliography of materials relevant to the subject-matter of the course. LEC

HIST 808 Colloquium in Comparative History: (3). A readings-oriented course which explores themes in two or more geographic and/or chronological fields of history. The benefits and disadvantages of comparative methodology will be analyzed. Topics will vary each term but may include the examination of such subjects as the history of urbanization, labor, colonialism, immigration, the family, political thought, or industrialization. Prerequisite: Varies with area of subtopic. LEC

HIST 812 Seminar in Historical Editing (3). This seminar is oriented toward those aspects of manuscript study in the classes of historic manuscripts; students who enroll may edit their own writing, the writing of other class members, or “old texts.” Editing will be practiced as though the product were to be published. Students who already have publishing commitments are especially encouraged to enroll. The format of class meetings will be flexible and every effort will be made to center class work around the individual needs of those who enroll. LEC

HIST 820 Colloquium on Popular Culture in Latin America (3). This course examines the history and theory of popular culture in 19th and 20th century Latin America from a cross-disciplinary perspective. Some of the topics covered could include: the historical development of urban popular culture from broadsides and newspapers to radio and television; the politics of music from the tango to the new song movement; folk art vs. High art in the definition of national identity; mass culture and political activism; popular culture as the styling for the working class; relationship between mass culture and the novel; gender roles and social order as revealed in forms of popular culture; and the politics of New Latin American Cinema. Discussions will be in English. No prerequisites. LEC

HIST 821 Colloquium on Iberian and Latin American Democracy (3). The principal purpose of the colloquium is to understand the evolution of government in the Iberian Peninsula and Latin America, with a special focus on efforts to promote democracy and regular, meaningful elections in the nineteenth and twentieth centuries. Core readings for the students read basic literature on the Iberian background, the Iberian experience, caudillismo, and militarism as well as on democratic theory, political ideology, political participation, and the development of electoral systems. LEC

HIST 822 Colloquium in the Urban History of Latin America (3). Explores the growth of cities and urban life in Latin America. Emphasis will be placed on the social construction of cities as yet to be analyzed. Focus on such topics as crime, public health, leisure activities, artisans, unionization, residential patterns and transportation. LEC

HIST 823 Colloquium on Colonial Latin America (3). Explores the history and politics of the indigenous peoples and African slaves and their descendants in the Americas during the colonial period. A long historiographical paper will be required. LEC

HIST 824 Seminar on Labor in Latin American Democracy (3). Major problems in class conflict resulting from industrialization of peripheral economies. Focus on such topics as labor movements, worker-inspired revolutions, women in the workforce, the ideology of work, labor migration, occupational culture and worker’s relationship to the state. LEC

HIST 825 Seminar in Latin American Foreign Relations (3). This seminar examines the history of Latin American foreign relations as they relate to the world as well as among the Latin American nations themselves. Examples of topics of interest are anti-imperialism, Pan-Americanism, foreign cultural influences, non-interference, internal national cooperation, security, dependency, transnational corporations, regional integration, international law and doctrine and national security issues. LEC

HIST 826 Seminar in 20th-Century South America (3). Research seminar which examines major topics in the recent history of the Andean and Southern Cone countries. Topics include: the history of political repression, terrorism, the social collapse of Colombia, Argentina and Peru, and the persistence of traditional cultures in the face of capitalist transformations will be thoroughly explored. LEC

HIST 827 Colloquium in the Social History of Latin America (3). Explores the historiography, methods and themes of Latin American social history from the conquest to the present. Lectures, discussions, and seminars will focus on the history of indigenous groups, peasants, slaves, women, families, workers, and the poor. A long historiographical paper will be required. LEC

HIST 830 Colloquium in 18th- and 19th-Century Britain (3). This course examines the varied elite and popular responses to the creation of a capitalist economy (agrarian and industrial) in Britain between 1750 and 1890. LEC

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HIST 830 Colloquium in 20th-Century Britain (3). This course examines the main developments in the political, social, and cultural history of Britain since 1890. The aim is to trace the relationship between political movements and socio-cultural attitudes and institutions. LEC

HIST 833 Colloquium in British History, 1500-1660 (3). This course will engage with recent scholarship on the Renaissance and Reformation, the Civil War and the English Republic. LEC

HIST 834 Colloquium in the History of the British Empire (3). The course will deal selectively with themes in the political and cultural interaction of the peoples of the British Overseas, the expansion and contraction of empire, and the rationales for these processes. LEC

HIST 836 Colloquium in British Political Thought (3). This course provides an introduction to the rich tradition of British writings on politics through a close reading of a number of classic texts, interpreted in their historical settings. LEC

HIST 837 Colloquium in British Religious History (3). This course will deal analytically and synoptically with religion in Britain from the reformation to the present with special reference to the Church of England, and will focus on the themes of ecclesiastical, ecclesiastical-polity, and political theology. LEC

HIST 844 Colloquium on East Central Europe, 1772-1914 (3). The colloquium covers the period beginning with the decline and partitions with Poland and ends with the outbreak of World War I. The major areas of study are the development of modern national consciousness among Poles, Czechs, Slovaks, Magyars, and Ukrainians, and the status of the Jews in these areas; economic, social, and educational development; and the rise of modern political parties. Prerequisite: HIST 597. LEC

HIST 845 Colloquium on East Central Europe, 1914-Present (3). The colloquium begins with a study of the peoples of East Central Europe in World War I, and in the dissolution of the Austro-Hungarian, German and Russian Empires; it ends with the collapse of Communism and the problems of the transition to free market, and democracy. The major areas of study are the political, economic, and social development of Poland, Czechoslovakia, and Hungary; minority problems and policies, and foreign policies in the interwar period, their different experiences in World War II, and their place in Western and Soviet war aims; their varied histories under Communism, especially reformist and dissident movements, and finally their reactions to its collapse. LEC

HIST 847 Colloquium in Russian History (3). A group readings course that begins with Russia in the mid-nineteenth century and continues through the end of the twentieth century. Topics may vary each term, but may include such subjects as political, social, religious, gender, or intellectual history. The course will focus around significant interpretive issues and the historiography that address them. Basic familiarity with the history of Russia and the main problems of Russian history is assumed. LEC

HIST 848 Colloquium in 20th Century Russia (3). The focus will be on reading and discussing historical literature on the end of Imperial Russia, the Russian revolutions, and the Soviet Union and its aftermath. LEC

HIST 853 Research Seminar: The Atlantic World in the Early Modern Period (3). This graduate seminar will focus on interactions between the so-called Old and New Worlds in the three centuries following Columbus’ voyages. The course will pay particular attention to the changes in the lives of Europeans, Africans, and the peoples of the Americas as a result of the emergence of transatlantic economies, empires, and cultural systems. LEC

HIST 856 Colloquium in Modern European History I—Renaissance to the French Revolution (3). This course will concentrate upon a number of selected topics in the history of Europe between the Renaissance and the French Revolution. Emphasis will be placed upon some of the problems with recent historiography that deals with them. The first in a sequence of colloquia in Modern European History. Required for European history graduate students and students majoring in other fields whose secondary fields correspond to this time frame. LEC

HIST 857 Colloquium in Modern European History II—Early Modern Europe and its Predecessors (3). This course will concentrate upon a number of selected topics in early modern European history. Emphasis will be placed upon certain problems within this period and the recent historiography that deals with them. The second in a sequence of colloquia in Modern European History. Required for European history graduate students and students majoring in other fields whose secondary fields correspond to this time frame. LEC

HIST 858 Colloquium in Modern European History III—French Revolution to the Present (3). From the French Revolution into the contemporary era. The third in a sequence of colloquia in Modern European History. Required for European history graduate students and students majoring in other fields whose secondary fields correspond to this time frame. LEC

HIST 859 Colloquium in Modern European History IV—Major Themes in Modern History (3). This course will concentrate upon a number of selected topics in modern European history. Emphasis will be placed upon certain problems within this period and the recent historiography that deals with them. The fourth in a sequence of colloquia in Modern European History. Required for European history graduate students and students majoring in other fields whose secondary fields correspond to this time frame. LEC

HIST 879 Colloquium on North American Environmental History (3). Intensive survey of significant works in the field from colonial times to the present, with attention to bibliography, research methods and needs, and leading issues in interpretation. LEC

HIST 890 Colloquium in American History, 1492-1800 (3). Study of the leading interpretations of major issues in the history of Colonial and Revolutionary America, the Federalist and anti-Federalist movements, and the rise of modern political parties. Prerequisite of all U.S. history graduate students. LEC

HIST 891 Colloquium in 19th-Century U.S. History (3). Study of the leading interpretations of major issues in the history of the United States in the 19th century. The third course in the sequence of colloquia in United States history. LEC

HIST 892 Colloquium in 20th-Century U.S. History (3). Study of the leading interpretations of major issues in the history of the United States in the 20th century. The third course in the sequence of colloquia in United States history. LEC

HIST 895 Colloquium in the History of Gender (3). This colloquium will cover theoretical and topical readings on the history of women in the U.S. States from the pre-contact period to the present. It is designed to familiarize students with the most important and current historiography in the field. (Same as AMS 835 and WGSS 835.) LEC

HIST 896 Colloquium in United States Women’s History (3). This colloquium will cover theoretical and topical readings on the history of women in the U.S. States from the pre-contact period to the present. It is designed to familiarize students with the most important and current historiography in the field. (Same as AMS 836 and WGSS 836.) LEC

HIST 897 Comparative Colloquium in Women’s History (3). This colloquium will cover the history of women from a comparative perspective through theoretical and topical readings on women in at least two different cultures. (Same as AMS 837 and WGSS 837.) LEC

HIST 898 Colloquium in Material Culture and History (3). This course provides an overview of key approaches and methods used in material culture studies and their application to historical research, writing, and presentation. Topics may vary from semester to semester, but could include vernacular architecture, museum studies, anthropology, cultural geography, historical archaeology, and perceptual theory. The course will consist of intensive reading, discussion, and written work. While it is not limited to a particular geographical or chronological area, or discipline, given the state of the field most topics will be drawn from U.S. history. LEC

HIST 899 Thesis (1-6). An inquiry into the source material upon a specific subject. Prerequisite: Consent of instructor. THS

HIST 900 Independent Research Seminar: (3). Design and completion of an independent project, culminating in the production of a professional-quality paper based on original, primary source research. Prerequisite: Consent of the instructor. LEC

HIST 901 Research Seminar in Global History (3). A research seminar oriented around cross-regional, comparative, and transnational aspects of history, culminating in production of a professional-quality paper based on original, primary source research. SEM

HIST 910 Seminar in Roman History: _______ (3). A seminar investigating and contrast between the Latin and Greek historians who wrote during the Graeco-Roman period (150 B.C.-378 A.D.). LEC

HIST 911 Seminar in Medieval Europe (2-6). LEC

HIST 912 Seminar in Medieval Latin Manuscripts (2-5). A course in the study of the importance and influence of the noble families of Rome on Roman history (200-27 B.C.) with special emphasis on the literary and numismatic evidence. Reading knowledge of Latin will be essential for this course. LEC

HIST 914 The Major Roman Historians (3). An analysis and criticism of the works of the most prominent Latin historians from Sallust to Ammianus Marcellinus, including a comparison and contrast between the Latin and Greek historians who wrote during the Graeco-Roman period (150 B.C.-378 A.D.). LEC

HIST 918 Elements of Latin Paleography (3). Introduction to the techniques of reading, dating, and localizing medieval Latin manuscripts. LEC

HIST 919 Seminar in Medieval Europe (2-6). LEC

HIST 920 Colloquium in Roman History (3). A research seminar in specialized aspects of Roman history. May be repeated for credit. LEC

HIST 921 Numismatics as a Basis for Study of Roman Noble Families of the Late Republic (3). A seminar involving the study of the importance and influence of the noble families of Rome on Roman history (200-27 B.C.) with special emphasis on the literary and numismatic evidence. Reading knowledge of Latin will be essential for this course. LEC

HIST 922 Seminar in Medieval Europe (2-5). A seminar offering a survey of some restricted fields and the presentation of research results. A reading knowledge of French or German or some other modern language is desirable. LEC

HIST 930 Seminar in British History (3). A research seminar focusing on a major, actively-investigated and controversial themes in British history, chiefly c. 1660-1832. LEC

HIST 932 Order and Disorder in Britain and America, c. 1750-1920 (3). The study of the history of crime and protest in their relationship with the wider social and political theory of Britain and America. Specific topics may include the impact of industrialization, the notion of the ‘morality’ of the legal and ideological nature of the death penalty, the crowd in history, and the administrative and intellectual developments in policing, prisons, and asylums. LEC

HIST 934 Seminar in Modern European History (1-12). A research and thesis seminar offered by several members of the standing committee in Modern European History. Students seeking advanced degrees in European history from the

Clendening History of Medicine Library on the Medical Center campus in Kansas City has one of the finest collections of rare medical books in the world.

Spencer Research Library houses the P.S. O’Hegarty Library, a collection of works on Irish history and the Irish literary renaissance.
Renaissance to the present will enroll each semester for work on their theses and dissertations. May be repeated. LEC

HIST 946 Seminar in the Middle East (3). A research seminar in Middle East history, with emphasis on the 19th and 20th centuries. The European impact on and relationships with the Middle East are stressed. LEC

HIST 949 Seminar in Modern Russian History (3). A focus on major problems of historical interpretation and research from Peter the Great to the present. LEC

HIST 950 Seminar in Latin American History (3). A research seminar focused on a major theme or problem in Latin American history. LEC

HIST 951 Seminar in Latin American Revolutions (3). This seminar focuses on sweeping socio-political upheavals such as occurred in Mexico in 1910, Guatemala in 1944, Bolivia in 1952, Cuba in 1959, and Nicaragua in 1979. After considering various sociological and political theories of revolution the seminar searches for an understanding of the basic reasons for revolutions in the countries mentioned (and failure of revolutionary efforts elsewhere) and possible common characteristics of the Latin American revolutionary process. LEC

HIST 952 Seminar in Ideology, Violence, and Social Change in Latin America (3). Research seminar focusing on the role of ideas and ideologies, values and cultural norms in the history of Latin America. Political action, including rebellions, movements and strikes by the masses and efforts toward social control by elites will also be a major theme. Finally the course will examine the meaning of “social change” for Latin America and when it can be said that “social change” actually occurs. LEC

HIST 955 Seminar in East Asian History (3). A research seminar in East Asian history. Prerequisite: Open only to graduate students having a reading knowledge of at least one East Asian language. LEC

HIST 962 Seminar in American History (1-12). A research and thesis seminar offered by several members of the Standing Field Committee in United States History. Students seeking advanced degrees in United States history will enroll in the seminar for theses and dissertation credit. May be repeated. LEC

HIST 964 Seminar in American Colonial History (3). An intensive, research-oriented study of American history from the 1600s to the 1760s. The course will cover both British America and New France. May be repeated. LEC

HIST 965 Seminar in East Asian History (3). A research seminar in East Asian history. Prerequisite: Open only to graduate students having a reading knowledge of at least one East Asian language. LEC

HIST 966 Seminar in American Colonial History (3). An intensive, research-oriented study of American history from the 1600s to the 1760s. The course will cover both British America and New France. May be repeated. LEC

HIST 967 Seminar in the History of United States Foreign Relations (3). A focus on major problems of historiography in the 19th century. May be repeated. LEC

HIST 980 Seminar in the Trans-Mississippi West (1-5). LEC

HIST 982 Colloquium in the History of the American West (3). Study of issues and interpretations in the history of the American West from prehistory to the present, including attention to new approaches and techniques in research. LEC

HIST 986 Seminar in Historiography of Science (3). Examines the various patterns of interpretation influencing current historiography of science: the substance and impact of “internalist” history, which deals with the evolution of scientific ideas; the diversity of “externalist” history, which stresses interaction between the scientist’s activity and social environment. Readings and discussions will assess intellectual, chronological, socio-economic, theological, philosophical, national, institutional and literary aesthetic influences on the history of science. LEC

HIST 999 Doctoral Dissertation (1-12). An inquiry into the source material upon a specific subject. Prerequisite: Consent of instructor. THE

History of Art

Chair: Linda Stone-Ferrier, arthist@ku.edu
Spencer Museum of Art, 1301 Mississippi St., Room 209 Lawrence, KS 66045-7500
www2.ku.edu/~kwarrthls, (785) 864-4713, fax: (785) 864-5091

Graduate students in art history have received such major fellowships as Fulbrights and Kress Foundation grants.

The Murphy Travel Fund provides support for national and international research trips for art history graduate students and faculty members.

KU’s Spencer Museum of Art is open from 10 a.m. to 4 p.m. Tuesday, Wednesday, Friday, and Saturday; from 10 a.m. to 8 p.m. Thursday; and from noon to 4 p.m. Sunday. Closed Monday.

Admission

Applicants for the M.A. degree are expected to hold the B.A. or equivalent degree with an overall grade-point average of 3.3 or better and to have taken at least six college courses in art history or the equivalent, distributed to provide the basic foundation for advanced study. M.A. applicants should specify their area of proposed study (African, East Asian, or European and American art). Applicants for the Ph.D. are expected to hold an appropriate M.A. degree.

Completed applications must be submitted by January 1 for fall admission and October 15 for spring admission. The Graduate Record Examination general test is required. Submit your application online at www.graduate.ku.edu.

Send all other requested application materials to

The University of Kansas
Department of Art History, Graduate Admissions
Spencer Museum of Art
1301 Mississippi St., Room 209
Lawrence, KS 66045-7500

M.A. Degree Requirements

The student must complete 30 hours of graduate credit, at least 21 of which must be in art history distributed according to department requirements. All course work must satisfy grade standards. The candidate must demonstrate proficiency in the reading of a foreign language, normally a major European language, Chinese, or Japanese. A general written examination (in European and American art, East Asian art, or African art) must be passed for the M.A. degree. After passing the M.A. examination, students wishing admission to the doctoral art history program at KU must submit a petition for continuation of graduate studies and receive departmental approval for the petition.
Ph.D. Degree Requirements

Within three semesters of admission to the Ph.D. program, each student, in consultation with a major adviser, prepares for review by the full Graduate Faculty a petition that proposes a program of study, including a primary field of specialization and two minor fields, one of which may be outside the department. The petition, as approved by the faculty, becomes the student’s program of study, which is then overseen by the major adviser and guided by a committee that includes the major- and minor-field advisers. Ph.D. aspirants must satisfy all general requirements. Ph.D. aspirants must demonstrate proficiency in two research skills (normally foreign languages) relevant to their research; this requirement must be met before aspirants are admitted to the comprehensive examinations for the doctorate. One of the two research skills is normally the foreign language that met the M.A. language requirement.

Students must take both written and comprehensive oral examinations at the end of their course work. Both written and oral examinations cover the major area and two minor areas specified in the student’s Ph.D. petition. The oral examination normally follows the written examination by two weeks.

Upon passing the comprehensive oral examination, the aspirant becomes a candidate for the Ph.D. and submits a dissertation proposal for faculty approval. Upon acceptance of the dissertation in final draft form, the candidate must successfully pass the final oral examination (the dissertation defense) to complete the degree.

Handbook for Graduate Students

A detailed presentation of departmental regulations is included in the department’s Graduate Student Handbook, available in the departmental office and online at www2.ku.edu/~kuarthis.

History of Art Courses

HA 500 Prints and Printmakers (3).
HA 501 Modern Prints and Drawings (3).
HA 503 Japanese Prints (3).
HA 505 Special Study: (3).
HA 506 Early Medieval and Romanesque Art (3).
HA 507 Gothic Art (3).
HA 515 Latin American Art, 1492-1992 (3).
HA 516 Latin American Modern Art (3).
HA 517 Latin American Graphic Arts and Politics (3).
HA 525 Aegean Archaeology and Art (3).
HA 526 Greek Archaeology and Art (3).
HA 527 Late Medieval Art in Italy (3).
HA 528 Archaeology and Art of Greece and Rome (3).
HA 529 Archaeology and Art of the Ancient Near East (3).
HA 530 Renaissance Art in Italy: The 15th Century (3).
HA 531 Renaissance Art in Italy: The 16th Century (3).
HA 533 European Art, 1789-1848: Gender and Revolution (3).
HA 534 Art in France, 1848-1900: Modernisms (3).
HA 535 Impressionism (3).
HA 537 Roman Archaeology and Art (3).
HA 545 Early Chinese Art (3).
HA 546 Chinese Sculpture (3).
HA 548 Buddhist Scriptures in Chinese Painting (3).
HA 550 The Arts of the British Isles (3). HT
HA 564 European Art, 1900-1945 (3).
HA 565 Art Since 1945 (3).
HA 566 Art From 1945 to the 1980’s: Modernism to Post-Modernism (3).
HA 567 Contemporary Art (3).
HA 570 American Art (3).
HA 571 Modern Sculpture (3).
HA 575 Northern Renaissance Art (3).
HA 576 Northern Baroque Art (3).
HA 577 Southern Baroque Art (3).
HA 578 Central African Art (3). NW
HA 580 History of Photography (3).
HA 581 American Art, Colonial to Civil War (3).
HA 582 American Art, 1860-1900 (3).
HA 583 American Art, 1900-1945 (3).
HA 584 Kansas Art and Popular Culture (3).
HA 585 The Art of Buddhism (3).
HA 587 Japanese Sculpture (3).
HA 589 Japanese Artistic Encounters with Europe and the United States (3).
HA 600 Biography of a City: ___ (3).
HA 604 Special Study in Asian Art: ___ (3).
HA 615 Special Studies in Modern Art: __________ (3).
HA 650 Classical Chinese Art Texts (3).
HA 675 Special Studies in American Art: ___ (3).
HA 676 West African Art (3). NW
HA 677 African Design (3). NW
HA 679 African Expressive Culture: ___ (3). NW
HA 687 Art of Modern China (3).
HA 704 Seminar on Christian Iconography (3). A study of subject matter in the visual arts and of modes of representing certain themes and categories of ideas and meanings in the history of art. Prerequisite: Nine hours of history of art and knowledge of a foreign language. LEC
HA 705 Major Artist: ___ (1-3). The study in detail of a single artist or of an artist and his school or shop. Prerequisite: An introductory course in Western art history at the college level and the 400-level course in the period in which the artist’s work falls. LEC
HA 706 Seminar on Special Problems in Art History: ___ (1-6). Seminar dealing with particular art historical problems of specialized and specific nature. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC
HA 707 Directed Readings (1-6). Supervised study and research into special fields of art of interest to the student. Weekly consultations and reports. RSH
HA 710 Museum Techniques and Functions (3). Primarily for graduate students interested in pursuing a career in art museum work. The development of the museum idea, the activities of the art museum, as well as practical experience in the various fields of art museum curatorship and public activity are among the areas studied. LEC
HA 712 Directed Museum Study (1-6). Supervised study and research projects related to art works in the permanent collections or special exhibitions of local museums of art. Planned in consultation with a faculty member and the director of the museum. RSH
HA 715 Seminar in African Art (3). A concentrated study of a special topic relating to African art studies. Different topics are offered in different semesters. (Same as AAAS 715.) Prerequisite: Nine hours of Art History and/or consent of instructor. LEC
HA 716 Art of the Early Middle Ages in the West (3). A pro-seminar in the art of the West from the Migration Period through the art of the Carolingian Empire. LEC
HA 719 Art History Theory and Practice (3). An investigation of the methodology of art history research and writing. Includes discussion of the basic assumptions of art historians about the scholarly process: the questions scholars raise, the techniques of researching art historical problems, and the final writing of conclusions. Current essays on these issues will be analyzed and used as a background for practice in writing. Prerequisite: Nine hours of history of art, or consent of instructor. LEC
HA 723 Romanesque Art (3). A study of Western European sculpture, painting, and architecture from the period of the migrations, through the so-called “Dark Ages” to the creation of the Gothic style. Prerequisite: A survey of Medieval art. LEC
HA 725 The Gothic Cathedral (3). The development and spread of Gothic architecture and sculpture in France, England, Spain, and Germany. Prerequisite: A college level introduction to Medieval art history. LEC
HA 727 Medieval Spanish Art (3). The religious and secular painting, sculpture, and architecture of the Iberian Peninsula during the Visigothic, Asturian, Moorish, Mozarabic, Romanesque, Gothic, and Isabelline periods. The monuments are studied in their relation to general continental developments and as vehicles for the transmission of Islamic artistic ideas to the rest of Europe. Prerequisite: A survey of Medieval art. LEC
HA 745 Dutch and Flemish Painter of the 17th Century (3). A detailed study of the art of Hals, Rembrandt and Vermeer, on the one hand, and of Rubens and Van Dyck on the other. Prerequisite: A survey of Northern Baroque art or consent of instructor. LEC
HA 766 Calligraphy of China and Japan (3). The history of East Asian calligraphy will be examined, including seal script, clerical script, standard script, running script, and Japanese kana scripts. The styles of outstanding masters of the past will be studied, and students will also be expected to practice these scripts and styles as part of the understanding of technique and calligraphic expression. LEC
HA 782 Japanese Painting (3). A survey covering the development of Japanese painting from the Kofun period down to the early twentieth century. Topics will include Buddhist and other religious paintings, narrative handscrolls, suibokuga, decorative screens, genre paintings, ukiyo-e prints, and Western-style paintings of the Meiji and Taisho periods. Work requirements will be greater for students enrolled at the 700 level. Prerequisite: HA 265, or HA 267, or consent of instructor. LEC
HA 783 Edo Period Painting (3). A survey of painting in Japan during the Edo Period (1615-1868), arranged by the many schools and styles of painting that were brought to a height during this era. Ink painting, Zen painting, decorative painting, naturalistic painting, literati painting, and court painting will be included. Prerequisite: A course in Japanese painting or consent of instructor. LEC
HA 785 Masters of Sung and Yuan Dynasty Painting (3). A thorough study of the works attributed to the great masters of the Five Dynasties, Sung and Yuan Dynasties (10th...
to (14th centuries) in China, in relation to the various theories of Chinese painting and the problems of connoisseurship. Prerequisite: A Survey of Asian or Chinese art. LEC

HA 786 Masters of Ming and Ch'ing Dynasty Painting (3). A thorough study of the major artists and schools of Ming and Qing painting (14th to 20th centuries) in relation to the aesthetic theories of the period and to its main stylistic trends. Prerequisite: Any Chinese art class. LEC

HA 787 Chinese Painting (3). A survey of the development of painting in China, beginning with the earliest forms of figurative and landscape depiction. Emphasis will be placed on the major painting traditions of the Sung, Yuan, Ming and Qing Dynasties. Prerequisite: A Survey of Asian or Chinese art. LEC

HA 788 Proseminar in Japanese Art (3). Critical analysis of readings on selected topics in Japanese art. May be repeated for credit up to a maximum of 12 hours. Prerequisite: Consent of instructor. LEC

HA 789 Proseminar in Chinese Art (3). Critical analysis of readings on selected topics in Chinese art. May be repeated for credit up to a maximum of 12 credit hours. Prerequisite: Consent of instructor. LEC

HA 805 Seminar in Graphic Arts: (3). A concentrated study of one or more artists, techniques, or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. Prerequisite: A course in graphic art, or in a discipline related to the field of the seminar. LEC

HA 806 The Arts and Crafts Movement, 1860-1930 (3). This seminar will focus on different selected topics on the Arts and Crafts Movement. These could include the movement in relation to Medievalism, Orientalism, and other revival styles; issues of social and economic policy in various countries; new ideas in design theory in relation to the Industrial Revolution; or investigations of individual artists or groups. LEC

HA 807 Problems in Connoisseurship East: (3-6). The analysis of the work of a specific artist, medium, or period, and developing a knowledge of the methods and norms of evaluating standards of quality and authenticity. Includes study in Spencer and Nelson Museums. Prerequisite: Nine hours of art history and a reading knowledge of a pertinent foreign language. LEC

HA 808 Problems in Connoisseurship West: (3-6). The analysis of the work of a specific artist, medium, or period, and developing a knowledge of the methods and norms of establishing standards of quality and authorship. Includes study in Spencer and/or Nelson Museums. Prerequisite: Nine hours of art history and a reading knowledge of a pertinent foreign language. LEC

HA 820 Seminar in European Art: (3). A concentrated study of a special topic which may relate to the art of several countries or several centuries of Europe. Different topics are offered in different semesters. May be repeated for credit up to a maximum of nine credit hours. LEC

HA 822 Seminar in Buddhist Art: (3). A concentrated study of selected problems dealing with Buddhist art in Asia. Different topics are offered in different seminars. May be repeated for credit up to a maximum of twelve hours. Prerequisite: Reading knowledge of Chinese or Japanese and consent of instructor. LEC

HA 824 Seminar in Edo Period Painting: (3). Special study of one or more schools of painting of the Edo period (1615-1868) in Japan. Individual works will be analyzed in depth. Prerequisite: A course in Japanese painting. LEC

HA 825 Seminar in Zen Painting and Calligraphy (3). A study of works of painting and calligraphy by Zen monks of China and Japan. There will be an emphasis upon Chinese and Japanese expressions of Zen in the 12th to the 14th centuries, Japanese expressions of Zen in the 15th to the 17th centuries, and Zen in 20th-century Japan. Prerequisite: Courses in Japanese and Asian art. LEC

HA 826 Seminar in Japanese Literati Art: (3). A study in depth of Japanese Nanga masters of the eighteenth and nineteenth centuries. Prerequisite: Consent of instructor. LEC

HA 870 Seminar in Photographic History: (3). Advanced study of photographic images as made and used in the nineteenth and twentieth centuries. Requires primary research. Prerequisites include study of nineteenth-century history of art. Specific topics vary. LEC

HA 898 Franklin Murphy Seminar in Art History: (3). This seminar is given each spring by the Murphy Lecturer of the year and includes two weeks of intensive study with a nationally known expert in a special field of art history. The other weeks of seminar meetings for the semester are conducted by the faculty member most closely specializing in this field. Prerequisite: Consent of supervising faculty member. LEC

HA 899 Thesis (1-6). THE

HA 906 Seminar on Special Problems in Art History: (1-6). Seminar dealing with particular art historical problems of a special and specific nature. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 907 Directed Readings in Art (1-12). Supervised study and research into special fields of art of particular interest to the student. Weekly consultation and report. Prerequisite: Nine hours of art history and a reading knowledge of a pertinent foreign language. RSH

HA 910 Curatorial Problems: (3-8). Primarily for the graduate student interested in art museum work. The student will engage in specialized research related to museum activities resulting in either a research paper, an exhibition, or a catalogue of one or more portions of the museum’s holdings. Prerequisite: Nine hours of history of art and a reading knowledge of a pertinent foreign language. LEC

HA 920 Seminar in Early Medieval Art: (3). A study of selected problems dealing with the art of the early Middle Ages. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 925 Seminar in Late Medieval Art: (3). A study of selected problems dealing with the art of the later Middle Ages. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 930 Seminar in Italian Renaissance Art: (3). A concentrated study of one or two artists, monuments or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 935 Seminar in Northern Renaissance Art: (3). A concentrated study of one or two artists, monuments or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 940 Seminar in 17th-Century Art: (3). A concentrated study of one or two artists, monuments or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 950 Seminar in 18th-Century Art: (3). A concentrated study of one or two artists, monuments or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 955 Seminar in 19th-Century Art: (3). A concentrated study of one or two artists, monuments or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 960 Seminar in 20th-Century Art: (3). A concentrated study of one or two artists, monuments or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 965 Seminar in American Art: (3). A concentrated study of one or two artists, monuments or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 970 Seminar in Photography and Fine Art: (3). Advanced study of the relationship between photographic images, prints, painting, mass media, illustration, and other forms of visual expression. Specific periods and areas of emphasis will vary. Prerequisite: Graduate study of the nineteenth century. LEC

HA 980 Seminar in Chinese Art: (3). A concentrated study of one or two artists, monuments or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 982 Seminar in Later Chinese Art: (3). A concentrated study of artists, monuments or movements in Later Chinese art. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 16 credit hours. LEC

HA 999 Seminar in Japanese Art: (3). A concentrated study of one or two artists, monuments or movements. Different topics are offered in different semesters. May be repeated for credit up to a maximum of 12 credit hours. LEC

HA 999 Doctoral Dissertation (1-12). THE

Humanities and Western Civilization

No graduate program in humanities and western civilization is offered. The following courses may be taken for graduate credit.

Humanities and Western Civilization Courses

HWC 500 Studies in: (3).

HWC 510 Science, Technology, and Society (2-3).

HWC 514 Totalitarianism and Literature in Central Europe (3).

HWC 520 Literature in Central Europe: (3).

HWC 524 Chinese Thought (3).

HWC 530 Study of a Culture: (3).

HWC 540 Translation (3).

HWC 566 The Devil in Russian Literature (3).

HWC 570 Men and Masculinities (3).

HWC 575 The Body, Self, and Society (3).

HWC 600 Biography of a City: (3).

HWC 620 Study of a Culture: (3).

HWC 770 Research in Men and Masculinities (3).

HWC 775 Advanced Study in the Body and Senses (3).

HWC 777 Research and Conflict in Central Europe (3).

HWC 780 Literature of the Russian Revolution (3).

HWC 790 Russian Romantic Literature (3).

HWC 850 The Political Vision of the Russian Revolution (3).

HWC 870 Russian Literature and Society (3).

HWC 890 Russian Literature and Society (3).

HWC 994 Seminar in Peace and Conflict Studies (3).

Peace and Conflict Studies Courses

PCS 899 Social Studies (3).

PCS 899 Social Studies (3).

PCS 899 Social Studies (3).

PCS 955 Topics in Peace and Conflict Studies: (3).

PCS 960 Directed Study in Peace and Conflict Studies (1-3).

PCS 565 Literature of Human Rights (3).

PCS 650 Senior Seminar in Peace and Conflict Studies (3).

PCS 750 Classics of Peace Literature (3).

PCS 760 Investigation and Conference in Peace and Conflict Studies (3).

Research under the supervision of a faculty member approved for the Peace and Conflict Studies program. Individual conferences, reports, and papers may be combined with classwork. Open only to graduate students. LEC
Interdisciplinary Studies

The College of Liberal Arts and Sciences offers degrees in several departments and programs that are interdisciplinary in nature. For information on these, see African and African-American studies; American Studies; East Asian Languages and Cultures; Global Indigenous Nations Studies; International Studies; Latin American Area Studies; Museum Studies; and Russian, East European, and Eurasian Studies in this chapter of the catalog.

Courses are offered in several other areas, such as genetics and women, gender, and sexuality studies, but there are no graduate programs in these areas. The courses, however, may be applied to degrees in other related fields. Special studies majors in these or other interdisciplinary areas may also be authorized upon petition. See sections on Special Studies in the General Information chapter of this catalog. For interdisciplinary graduate certificates, see Graduate Certificate Programs in the General Information chapter of this catalog.

Indigenous Nations Studies, Global

See Global Indigenous Nations Studies in this chapter.

International Studies

Director: Gary Reich, greich@ku.edu, (785) 864-9053
Blake Hall, 1541 Lilac Lane, Room 409
Lawrence, KS 66045-3129

Program Assistant: KU Edwards Campus, 12600 Quivira Road
Overland Park, KS 66213-2402, www.intl.ku.edu, (913) 897-8510

Affiliated Faculty: This program draws on the expertise of faculty from departments throughout the university, including African and African-American Studies; Anthropology; East Asian Languages and Cultures; Economics; European Studies; History; Humanities and Western Civilization; Latin American Area Studies; Political Science; Russian, East European, and Eurasian Studies; Sociology; and the Schools of Business and Journalism and Mass Communications.

The Master of Arts in International Studies provides an analytically sophisticated understanding of the contemporary global arena. Students pursue interests in global politics, society, and culture across a broad range of courses in the humanities and social sciences. Students develop a specialization in a world region and a topic that transcends national borders. The degree offers students the skills and knowledge to operate in a world where traditional boundaries are disappearing. The program is based at KU’s Edwards Campus in Overland Park, but students complete courses both on the Edwards Campus and on KU’s Lawrence campus.

Admission

Students are admitted for both fall and spring semesters. Applicants must submit the following materials: (1) an application with appropriate application fee, (2) one official transcript from each institution of higher education attended for undergraduate and graduate work, (3) a 500- to 1,000-word essay outlining relevant experiences and reasons for pursuing this degree, (4) a current résumé, (5) three letters of recommendation sent directly from the references, and (6) Graduate Record Examination scores (Law School Admission Test or Graduate Management Admission Test results are acceptable substitutes). International students also must submit Test of English as a Foreign Language scores for an examination taken within the past two years, unless they hold degrees from English-speaking institutions.

Materials must be received before the application can be evaluated. More information about the application process can be found on the program’s Web site, www.intl.ku.edu. In general, to enter this program, a student must have a bachelor’s degree from an accredited institution with at least a 3.0 grade-point average on a 4.0 scale; admitted students typically have grade-point averages well above 3.0. Materials are reviewed by a subcommittee of the program advisory committee, which also considers the applicant’s overall record and prospects for success.

Submit your application and fee online at www.graduate.ku.edu. Send all other application materials to the program assistant at the Edwards Campus address above.

M.A. Degree Requirements

The Master of Arts in International Studies is a 37-credit-hour degree. All students complete two core courses, INTL 701 and INTL 702, and eight graduate-level elective courses (24 credit hours). These electives must form two coherent clusters, one around a world region and the other on a topic specialization approved by the student’s adviser.

Thesis Option. Students electing to write a thesis must enroll in 6 thesis hours and 1 hour of INTL 897, complete a significant original research project approved by a faculty committee, and pass a comprehensive examination.

Nonthesis Option. Students pursuing the nonthesis option complete an additional 6 hours of electives and enroll in 1 hour of INTL 897, which requires completion of written examinations over the core course content and the student’s regional and topical concentrations as well as an oral examination.

For all students, the M.A. degree also requires evidence of current competence (equivalent to two years of successful college-level study) in a modern spoken and written language other than English; courses taken to complete this requirement generally do not count toward the degree. Students must meet all general requirements as well as program requirements.
Regional Specializations. These courses give students substantial knowledge about a selected region of the world. Up to three language courses (9 hours) at or above the 500 level may count toward this requirement. Regional specializations usually correspond to one of KU’s area studies programs:

- African and African-American studies
- East Asian studies
- European studies
- Latin American area studies
- Russian, East European, and Eurasian studies

A student may petition to focus on a region that does not correspond to the boundaries of the KU area studies programs. For instance, a student might choose to focus on the region of the North American Free Trade Agreement (Canada, Mexico, and the United States), the Middle East, South Asia, the Pacific Rim, or the Islamic world. The petition is granted only if the program committee and director are assured that the student has a qualified academic adviser with expert knowledge of that area.

Topic Specialization. Topic specialization courses allow the student to develop an understanding of a particular issue of interest that reaches across national and regional borders. Topics might include gender and development, international conflict, intercultural communication, international politics, globalization, international business, global urbanization, peace studies, or another topic approved by the director. The courses below are examples of electives that might be used in some of these areas; each student works with an adviser to identify appropriate courses.

International Culture and Communications focuses on issues of culture, ethnicity, diversity, and cross-cultural communications and examines how various cultures around the world deal with outside influences and define themselves as distinctive societies. Sample courses:

- AAS 560 Race, Gender, and Post-Colonial Discourses
- ANTH 674 Political Anthropology
- COMS 647 Issues in Intercultural Communication
- ENGL 774 Topics in Literatures of Africa and the African Diaspora: ______
- FMS 813 Development of the International Sound Film
- HWC 500 Studies in Comparative Literature
- SOC 626 Religion and Society

International Politics and Policies addresses foreign policy, comparative public policy, general theories of international relations and comparative politics, and current global issues. Sample courses:

- AAS 554 Contemporary Health Issues in Africa
- ANTH 571 Violence, Aggression, and Terrorism in the Modern World
- ANTH 674 Political Anthropology
- C&T 864 International Issues in the K-12 Curriculum
- POLS 670 United States Foreign Policy
- POLS 673 International Organization
- POLS 774 International Law
- SOC 672 Sociology of War and Peace

International Business and Economics offers a foundation in global business and economics, economic history, and political economy. Sample courses:

- ECON 835 Comparative Economic Systems
- HIST 509 Multinational Corporations: The Role of Money and Power
- HIST 528 Economic History of Europe (Same as ECON 535)
- IBUS 700 Managing in a Global Environment
- IBUS 701 International Business
- MKTG 708 Global Marketing

International Studies Courses

INTL 701 Approaches to International Studies (3). This course examines approaches to the study of culture, politics, and society as applied in international studies research. Substantive and disciplinary content vary by instructor, but typically include such topics as economic development, ethnicity, religion, democratization, peace and conflict issues, and cultural studies. The study of these topics is accompanied by discussions of the principles of theory development, proper research design, choosing a research topic, construction of literature reviews, and the use of library resources in international studies research. LEC

INTL 702 Globalization (3). A central issue in international studies is globalization, the increasing interconnectedness of societies and economies. This course examines globalization from an historical and contemporary perspective. Major topics include (but are not necessarily limited to) the historical expansion of the West since 1500, the growth of international economic institutions, conflict among global cultures, the future of state sovereignty, and the challenges of economic integration. LEC

INTL 703 The World Economy (3). An introduction to international trade and finance, theories of economic development, and international economic structures. Not appropriate for economics majors. LEC

INTL 704 Global Cultures and Societies (3). Examination of the components of culture, economic and political anthropology, major global cultural areas, and the impact of cultural differences as expressed through language, literature, religion, thought, and motivation in cross-cultural communications. LEC

INTL 705 Globalization in History (3). A study of the increasing interaction among world societies since 1500 and an investigation of the long-term developments behind current world problems. Major topics include Western expansion since 1500, the spread of state sovereignty, the formation of a world economy, and the spread of international institutions. Current issues will vary, but may include environmental crises, human rights, migration, free trade and the spread of consumer culture, ethnicity and nationalism, and international intervention within states. (Same as HIST 705) LEC

INTL 706 Comparative Governments (3). Survey of different governmental structures in the contemporary world and the ways these countries have confronted issues such as modernization and development, economic security, ethnic pluralism and conflict, and globalization. LEC

INTL 750 Topics in International Studies: (3). A study of one or more selected topics in international studies. Course may be taken more than once. LEC

INTL 793 Directed Readings (1-5). Individual and supervised readings in a selected area of international studies. Course is repeatable with permission of the program director. LEC

INTL 897 Examination Preparation (1). Independent study in preparation for the Comprehensive M.A. examination. Graded on satisfactory/unsatisfactory basis. May be repeated. LEC

INTL 899 Thesis (1-6). Enrollment for writing thesis for master’s degree. THE

Italian

See French and Italian.

Japanese

See East Asian Languages and Cultures.

Korean

See East Asian Languages and Cultures.

Latin

See Classics.

Latin American Area Studies

Chair: Elizabeth A. Kuznesof, latamst@ku.edu
Associate Director and Graduate Adviser: Peter Herlihy
Bailey Hall, 1440 Jayhawk Blvd., Room 320
Lawrence, KS 66045-7545
www2.ku.edu/~latamst.
(785) 864-4213, fax: (785) 864-3800


Since 1970, KU has maintained the only Latin American Studies resource center in the Great Plains.

Established in 1959, KU’s exchange with Universidad de Costa Rica is the oldest of its kind in the Western Hemisphere.

Up to 12 graduate credit hours from the Universidad de Costa Rica may be applied to the M.A. degree in Latin American area studies.
Course Work.

Preparation for additional graduate study. The center also offers a terminal degree for careers in the public or private sector or as research in Latin America. Intensive language study and all other requested application materials to.

Submit your application online at www.graduate.ku.edu.

Send transcripts of all completed college and university course work and all other requested application materials to

The University of Kansas
Latin American Area Studies Program
Bailey Hall, 1440 Jayhawk Blvd., Room 320
Lawrence, KS 66045-7545

M.A. Degree Requirements

Course Work. A minimum of 30 graduate credit hours is required in social sciences or humanities courses with Latin American content. At least 18 hours must have 50 to 100 percent of their content dedicated to Latin America. Literature courses with Latin American content at the 500-level or above (except PORT 611 and HAIT 500) may be counted as part of the 30 required hours. Required courses are LAA 700 Introduction to Latin American Library Resources, LAA 701 Interdisciplinary Seminar in Latin American Culture and Problems, and two other seminars with at least 50 percent of their content dedicated to Latin America, each in a separate discipline, at the 700 level or above (excluding thesis and readings hours). Incoming students should enroll in LAA 700 during the first fall semester. All students must consult the graduate adviser before enrollment each semester. Up to 12 graduate hours from the University of Costa Rica may be applied to the M.A. to be eligible, students must have completed one semester of course work at KU and must obtain the graduate adviser’s approval of the UCR courses.

Language Proficiency. M.A. candidates must demonstrate comprehensive proficiency in Spanish or Portuguese. This includes aural, speaking, reading, and writing ability. Completion of SPAN 424 and SPAN 428 or a higher-level course constitutes comprehensive proficiency in Spanish. Comprehensive proficiency in Portuguese requires completion of a 500-level or higher literature course. The language requirements should be satisfied as early as possible. Students also must complete two seminars in a second language (SPAN 104 and SPAN 108; PORT 104 and PORT 108), or the equivalent (e.g. PORT 611). Quichua, Kaqchikel Maya, or Haitian Creole may be substituted as the language of reading proficiency with approval of the director.

M.A. Degree Options. Thesis and nonthesis degrees are offered. The thesis degree is most appropriate as preparation for a doctoral program and dissertation. Students must declare their intention to write a thesis before the end of the first year and form a committee of three faculty members, each from a different discipline. The student defends the completed thesis in an oral examination before this committee. A student must enroll in at least 5 credit hours of thesis. Students may count up to 6 credit hours of thesis toward the degree.

The nonthesis M.A. degree is suitable for a career in public service or business. The culmination of the nonthesis M.A. is an oral examination during the last semester of the student’s program. The Center of Latin American Studies produces a handout, Nonthesis M.A. Degree Option: Oral Exam Guidelines.

According to the continuous enrollment policy of the College, once the student’s course work is completed, the student must enroll in at least 1 credit hour of thesis/nonthesis (LAA 899) per semester (excluding summers) until the thesis and its defense or the oral examination is completed.

Study in Latin America. The center encourages students to study and do research in Latin America. Intensive language institutes in Portuguese and Spanish are held in Salvador, Brazil; and Puebla, Mexico; respectively. The center has helped develop exchange relationships with universities in Costa Rica, Paraguay, Peru and Brazil. One of the oldest and most successful academic study abroad programs in Latin America is the Kansas program at the Universidad de Costa Rica.

Recommended Graduate Courses. These courses have 50 to 100 percent Latin American content:

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<td>Slavery in the New World (same as HIST 574)</td>
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<td>ANTH 500</td>
<td>Topics in Anthropology: _____ (taught by Hoopes)</td>
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<td>ANTH 501</td>
<td>Topics in Sociocultural Anthropology: _____ (taught by Metz)</td>
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<tr>
<td>ANTH 506</td>
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<td>HAIT 700</td>
<td>Investigation and Conference</td>
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<td>Topics in: Latin America (taught by Cushman, Rosenthal, Kuznesof)</td>
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<td>The Spanish Borderlands in North America</td>
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<td>Slavery in the New World (same as AAS 574)</td>
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<tr>
<td>HIST 696</td>
<td>Seminar in: Latin America (taught by Cushman, Rosenthal, Kuznesof)</td>
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<tr>
<td>HIST 801</td>
<td>Colloquium in: _____ (taught by Rosenthal, Kuznesof)</td>
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<td>HIST 808</td>
<td>Colloquium in Comparative History: _____ (taught by Cushman, Rosenthal, Kuznesof)</td>
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<td>HIST 820</td>
<td>Colloquium on Popular Culture in Latin America</td>
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<td>HIST 821</td>
<td>Colloquium on Iberian and Latin American Democracy</td>
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<td>HIST 822</td>
<td>Colloquium in the Urban History of Latin America</td>
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<td>HIST 823</td>
<td>Colloquium on Colonial Latin America</td>
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<tr>
<td>HIST 824</td>
<td>Seminar on Labor in Latin America</td>
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Latin American Area Studies

HIST 825 Seminar in Latin American Foreign Relations
HIST 826 Seminar in 20th-Century South America
HIST 827 Colloquium in the Social History of Latin America
HIST 853 Research Seminar: The Atlantic World in the Early Modern Period (taught by Kirkendall)
HIST 950 Seminar in Latin American History
HIST 951 Seminar in Latin American Revolutions
HIST 952 Seminar in Ideology, Violence, and Social Change in Latin America
LING 565 Native American Writing
POLS 658 Theories of Politics in Latin America
POLS 659 Political Dynamics of Latin America
POLS 758 Revolutionary Politics of Latin America
PORT 740 Survey of Brazilian Literature
PORT 742 The Brazilian Novel
PORT 746 The Brazilian Short Story
PORT 750 Brazilian Poetry
PORT 760 Contemporary Brazilian Literature
PORT 780 Special Readings in Portuguese and Brazilian Literature
PORT 970 Seminar in Brazilian Literature:
SOC 531 Global Social Change
SOC 780 Advanced Topics in Sociology: Third World Social Change; Women of the Third World;
SPAN 520 Structure of Spanish
SPAN 522 Advanced Studies in Spanish Language:
SPAN 540 Colloquium on Hispanic Studies:
SPAN 560 Colloquium on Latin American Film
SPAN 570 Studies in Hispanic Linguistics:
SPAN 717 History of the Spanish Language
SPAN 720 Syntax and Composition
SPAN 770 Spanish-American Drama
SPAN 771 Spanish-American Literature:
SPAN 772 The Modern Spanish-American Novel, 1900-1950
SPAN 773 The Modern Spanish-American Novel Since 1950
SPAN 774 Spanish-American Short Story
SPAN 781 Spanish-American Colonial Studies
SPAN 784 Spanish-American Modernism and Vanguards
SPAN 785 Special Topics in Spanish-American Literature:
SPAN 790 Spanish Linguistics: Theory and Application to Teaching
SPAN 795 Literary Theory and Criticism
SPAN 817 Spanish Historical Grammar
SPAN 970 Seminar: Spanish-American Drama:
SPAN 972 Seminar: Spanish-American Novel:
SPAN 974 Seminar: Spanish-American Poetry:
SPAN 976 Seminar: Spanish-American Short Story:
SPAN 978 Seminar: Spanish-American Essay:

**Recommended Graduate Courses.** These courses have 25 to 50 percent Latin American content:

AAAS 520 African Studies in:
AAAS 555 African Film and Video
ANTH 501 Topics in Sociocultural Anthropology:
ANTH 512 Ethnohistory:
ANTH 544 Origins of Native Americans
ANTH 563 Cultural Diversity in the United States
ANTH 586 Visual Anthropology
ANTH 595 The Colonial Experience
ANTH 652 Population Dynamics
ANTH 674 Political Anthropology
ANTH 695 Cultural Ecology (taught by Gibson or Herlihy)
ANTH 754 Biological Bases of Human Behavior (taught by Crawford)
ANTH 770 Research Methods in Physical Anthropology
ANTH 794 Material Culture
ARCH 800 Special Topics in Architecture: City Form: The Americas (taught by Swann)
BIOL 607 Field and Laboratory Exercises in Plant Ecology
BIOL 789 Field Course in Entomology
C&T 807 Multicultural Education
C&T 864 International Issues in the K-12 Curriculum
ECON 582 Economic Growth and Development
ECON 604 International Trade
ECON 605 International Finance
ECON 715 Elementary Econometrics
ECON 740 Theory of Economic Growth and Development
ECON 750 The Theory of International Finance
ECON 850 The Advanced Theory of International Finance
ELPS 743 Foundations of Multicultural Education
ELPS 772 Philosophical Problems in Comparative Education
ELPS 773 School and Society in Comparative Education
ENGL 570 Topics in American Literature:
ENGL 692 Film Seminar in American Literature (taught by Delprete)
GEOG 570 Geography of American Indians (taught by Herlihy)
GEOG 670 Cultural Ecology
GEOG 775 Proxemics in Population Geography
GEOG 975 Seminar in Population Geography (taught by Nunley)
HA 706 Seminar on Special Problems in Art History: North America (taught by Eistedge)
HATT 501 Directed Studies in Haitian Language and Literature
HIST 509 Multinational Corporations: The Role of Money and Power
HIST 551 Spain and its Empire, 1450-1700
HIST 572 The United States: Borderlands: People, Place, Past
HIST 630 The United States and the World, 1890-2003
HIST 636 Agriculture in World History (taught by Worster)
HIST 696 Seminar in: History of Disaster
HIST 806 Studies in: World Environmental History
HWC 630 Study of a Culture:
IBUS 701 International Business (taught by Kleinberg)
IBUS 895 Graduate Seminar in International Business: Global Business Environment (taught by Birch)
LAW 930 International Law Seminar (taught by Head)
LING 575 The Structure of:
LING 700 Introduction to Linguistic Science
LING 791 Topics in Linguistics:
MUSC 560 Music in World Cultures (taught by Wong)
MUSC 754 Music of the Baroque Era
MUSC 940 Seminar on Selected Topics in Musicology: 20th-Century Hispanic Masters (taught by Schwartz-Kates)
POLS 600 Contemporary Feminist Political Theory
POLS 660 The Politics and Problems of Developing Countries
POLS 663 Protest and Revolution
POLS 670 United States Foreign Policy
POLS 672 International Political Economy
POLS 682 U.S. Policy—Post-Colonial World
POLS 726 Public Policy in Comparative Perspective
POLS 774 International Relations
POLS 850 Introduction to Comparative Politics
POLS 870 International Relations
POLS 960 Politics of Developing Countries
POLS 973 International Political Economy
POLS 974 International Mediation and Conflict Resolution
POLS 978 Advanced Topics in International Relations Theory
SOC 522 Race and Ethnic Relations (taught by Golash-Boza)
SOC 533 Industrialization in Developing Nations
SOC 534 Comparative Racial and Ethnic Relations (taught by Golash-Boza)
SOC 619 Political Sociology
SOC 627 School and Society
SOC 873 International Political Economy
SOC 892 Teaching Seminar
SOC 970 Seminar on Special Topics in Social Conflict and Change:
SPAN 801 Teaching Spanish in Institutions of Higher Learning
UBPL 565 Principles of Environmental Planning
VAE 751 Introduction to Art Museum Education
WGSS 560 Race, Gender, and Post-Colonial Discourses (taught by Ayaji-Soyinka)
WGSS 600 Contemporary Feminist Political Theory
WGSS 601 Seminar in Women's Studies

**Latin American Area Studies Courses**

LAA 500 Directed Study in Latin American Area Studies (1-3).
LAA 501 Multilingualism and Multiculturalism in Latin America (3).
LAA 503 Race, Gender, Ethnicity, and Nationalism in Latin America (3).
LAA 504 Politics of Culture in Modern Latin America (3).
LAA 505 U.S. Latino and Latin American Film and Literature (3).
LAA 506 Race, Gender, Ethnicity, and Nationalism in Latin America, Honors (3).
LAA 602 Topics in Latin American Studies:
LAA 634 Indigenous Traditions of Latin America (3).
LAA 665 Women, Health, and Healing in Latin America (3).
LAA 700 Introduction to Latin American Library Resources (3). A survey of bibliographic and reference sources for research on Latin America in the humanities and social sciences. Recommended reading proficiency in Spanish or Portuguese.
LAA 701 Interdisciplinary Seminar in Latin American Culture and Problems (3). An interdisciplinary seminar incorporating significant and pertinent materials from the fields of anthropology, economics, geography, history, political science, sociology, and Spanish and Portuguese literature. Required of all graduate students enrolled in the Master of Arts program in Latin American Area Studies. Prerequisite: LAA 700 (may be taken simultaneously with LAA 701 if both courses offered during same semester).
LAA 703 Research Colloquium on Brazil (3). An interdisciplinary research seminar on historical and contemporary issues in Brazil, incorporating information and analysis from such fields as anthropology, economics, geography, history, political science, sociology, and Spanish and Portuguese literature and culture. Required for the Brazilian Graduate Certificate. Prerequisite: Recommended reading proficiency in Portuguese.
LAA 704 Research Colloquium on Central America and Mexico (3). An interdisciplinary seminar on historical and contemporary issues in Central America and Mexico, incorporating information and analysis from such fields as anthropology, economics, geography, history, political science, sociology, and Spanish and Portuguese literature and culture. Required for the Central America & Mexico Graduate Certificate. Prerequisite: Recommended reading proficiency in Spanish.
LAA 800 Investigation and Conference (1-2). Investigation and research of interdisciplinary topics in Latin American Studies.
LAA 899 Thesis/Nonthesis (1-6). Prerequisite: Consent of instructor.

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Liberal Arts and Sciences

No graduate degree program is offered in this area, but the following courses are offered for graduate credit.

Liberal Arts and Sciences Courses

LA&S 700 Writing Center Theory and Administration (3). This course explores theories motivating writing center administration and practice. Students will investigate the multiple functions of writing centers, from writing labs associated with college composition instruction, to decentralized resources for writing faculty teaching writing across the disciplines, to elementary, secondary, and community support centers for writers, to online consultation services. Students will choose a special interest or problem, and, from an administrative perspective, design a research study and propose actions such as creating policy, developing curricula, designing materials, or conducting assessments. (Same as ENGL 885) Prerequisite: LA&S 800, ENGL 400, or consent of instructor. LEC

LA&S 740 Computers for the Classroom (1-3). “The Art and Science of Computer Presentation.” An inter-disciplinary course designed to explore current technology in “Computer Presentations” (various equipment and programs), research the field of information processing, and develop applications for interactive multimedia communications. Not open to students who have received credit for LA&S 340. Prerequisite: Consent of instructor. LEC

LA&S 792 Topics in: (1-3). An interdisciplinary study of a variety of topics from the Liberal Arts and Sciences. Usually intended for graduate students, but may also be taken by qualified upper level undergraduates. May be repeated for credit when topic differs. LEC

Linguistics

Chair: Allard Jongman
Blake Hall, 1541 Lilac Lane, Room 427
Lawrence, KS 66045-3129, www.linguistics.ku.edu, (785) 864-3450
Graduate Director: Jie Zhang, 420E Blake Hall, (785) 864-2879
Professors: Jongman, Rosen, Serena
Professors Emeriti: Henderson, Ingemann, Miner, Percival, Rankin, Watkins, Yamamoto
Associate Professors: Pye, Zhang
Assistant Professors: Fiorentino, Gabriele, Minai, Torrence

Admission

Applicants must submit transcripts for all post-secondary work, evidence of a baccalaureate degree (preferably with a major in linguistics or a related field), three letters of recommendation, and Graduate Record Examination scores. Applicants who are not native speakers of English must demonstrate English proficiency with Test of English as a Foreign Language scores of at least 53 (paper) or 20 (computer) in all sections or International English Language Testing System scores of at least 6.0 overall with no part score below 5.5.

Submit your application online at www.graduate.ku.edu.

Send all other requested application materials to

The University of Kansas
Department of Linguistics
Blake Hall, 1541 Lilac Lane, Room 427
Lawrence, KS 66045-3129

M.A. Degree Requirements

Prerequisites. Three credit hours of linguistics (LING 700 or equivalent) and reading ability in a foreign language (not English) with a significant linguistics literature. Students who do not meet these prerequisites but have undergraduate majors in related fields (such as a foreign language, English, speech, anthropology, or psychology) may be accepted with the provision that they make up deficiencies as soon as possible.

Degree Requirements. The following are minimum requirements.

Course Work: 33 credit hours of graduate work including
LING 794 Proseminar
LING 705 Phonetics I
LING 712 Phonology I
LING 725 Syntax I
LING 709 First Language Acquisition or
LING 713 Linguistics and Second Language Acquisition
LING 735 Psycholinguistics or LING 738 Neurolinguistics
One of the following research methods courses:
LING 720 Research Methods in Linguistics
LING 740 Linguistic Data Processing
LING 741 Field Methods in Linguistic Description
LING 782 Research Methods in Child Language

Twelve credit hours of electives to be determined by the student and the student’s adviser, excluding LING 998 Independent Study.

M.A. students can complete the degree either by writing a thesis and passing a thesis oral defense or by passing a written comprehensive examination and satisfying a research component.

Thesis Option: A maximum of 3 hours of thesis credit may be applied toward the minimum of 33 hours for the degree. The thesis must be defended successfully in an oral examination.

Comprehensive Examination Option: A comprehensive written examination is taken no later than the semester in which the student completes 33 hours of course work applicable to the M.A.

Students taking the comprehensive examination also must satisfy a research component by taking a course with a significant research component (e.g., a seminar or LING 707, LING 709, or LING 741) or writing a detailed research or grant proposal.

Ph.D. Degree Requirements

Prerequisites. M.A. in linguistics with a thesis. A student entering the Ph.D. program without courses equivalent to these must take them as soon as they are offered, even if they would conflict with an advanced course for which the student is eligible.

Residence. Two semesters, which may include one summer session, must be spent in full-time resident study at KU. Normally, an enrollment of 9 credit hours is considered full-time during the semester. See General Regulations in the General Information chapter of this catalog.

Research Skills

1. Language Requirement: Reading ability in a foreign language (not English) with a significant linguistics literature.
2. Research Skills Requirement: One of the following:
   A course in statistics
   A course in a computer programming language
   LING 785 Computational Linguistics

   The student also is expected to know such additional languages as may be necessary for research.

Minimum Course Requirements. Twenty-four credit hours, consisting of

Methods Requirement: LING 741 Field Methods in Linguistic Description
If already taken for M.A., replace with one of the following:
LING 720 Research Methods in Linguistics
LING 740 Linguistic Data Processing
LING 782 Research Methods in Child Language
Three of the following second-level courses:
LING 707 Phonetics II
LING 714 Phonology II
LING 716 Second Language Acquisition

Linguistics offers courses in first- and second-language acquisition, Native Mesoamerican writing, and the structure of North American Indian languages.

International Programs coordinates international activities on the Lawrence campus, working with foreign area-studies centers, professional schools, and other units to provide enriched international opportunities for faculty and students.
Linguistics

LING 726 Syntax II
LING 727 Morphology
LING 737 Topics in Psycholinguistics
LING 822 Seminar on Acquisition of Language

Four elective courses in linguistics (12 credit hours)

Dissertation. Within one year of completing all course requirements and fulfilling the foreign language requirements, the student must write two papers and a dissertation proposal. One paper must be in the area of specialization, the other in a second area of linguistics.

Final Oral Examination

Facilities

With the Department of Speech-Language-Hearing: Sciences and Disorders, linguistics operates the Undergraduate Instructional Laboratory in Phonetics and Speech Science. The department has a fully equipped phonetics and psycholinguistics laboratory (KUPL), first and second language acquisition research laboratories, a neurolinguistics research laboratory, an anechoic chamber, a small departmental library, a student computer laboratory, and digital recorders for field work.

Linguistics Courses

LING 539 The Acquisition of Morphosyntax (3).
LING 543 Language and Culture in Arabic-Speaking Communities (3).
LING 565 Native Mesoamerican Writing (3).
LING 570 The Structure of Japanese (3).
LING 572 The Structure of Chinese (3).
LING 575 The Structure of... (3).

LING 700 Introduction to Linguistic Science (3). An introduction to the theory and techniques of linguistic (NEW) science for majors and others intending to do advanced work in linguistics. Emphasis on the sound system, grammatical structure, and semantic structure of languages. Lectures and laboratory sessions. Will not count toward any graduate degree in linguistics. Not open to students who have taken LING 106 or LING 107. LEC

LING 705 Phonetics I (3). This course provides a basic introduction to the study of human speech sounds. Topics to be covered include anatomy and physiology of the speech production apparatus, transcription and production of the world’s sounds, basic acoustics, computerized methods for speech analysis, acoustic characteristics of speech sounds, stress, and intonation. A ‘hands on’ laboratory project is part of the course. Prerequisite: An introductory course in linguistics. LEC

LING 707 Phonetics II (3). This course is a continuation of Phonetics I (LING 705) and provides a detailed survey of acoustic and auditory phonetics. Topics to be covered include vocal tract acoustics, quantal theory, speaker normalization, theories of speech perception, prosody, the phonetics of second language acquisition, and the production system, which includes gender, talker, region, and socio-economic status. In addition, a number of laboratory projects will be included. Prerequisite: LING 705. LEC

LING 708 Problems in Linguistic Analysis (3). Practice in applying the techniques of phonological, grammatical, and syntactic analysis learned in introductory linguistics to data taken from a variety of languages of different structural types. Prerequisite: An introductory course in linguistics. Not open to students who have taken LING 308. LEC

LING 709 First Language Acquisition (3). Introduction to the study of language acquisition: the significant findings, the basic methodological procedures, and some of the more recent theoretical accounts. Not open to students who have taken LING 425. Prerequisite: An introductory course in linguistics. LEC

LING 712 Phonology I (3). This course is an introduction to phonological theory. It focuses on crucial phonological concepts such as underlying and surface representations, phoneme and allophone, contrast, alternation, neutralization, distinctive features, and syllable. It provides the basic skill set for phonological analysis, including UR selection, rule notation, rule ordering, and common phonological universals. It also touches on theory-building in phonology, with discussions on the external motivations for phonological grammar, how to lay out the predictions of a theoretical proposal, and how phonological predictions can be empirically tested. Prerequisite: LING 705. LEC

LING 714 Phonology II (3). This course is a continuation of a survey of phonological theory. The course starts with the discussion of the conspiracy and duplication problems in rule-based phonology and works its way to Optimality Theory. Topics in Optimality Theory (OT) include its conceptual and empirical advantages over rule-based phonology, its potential problems and possible remedies, issues of learnability and acquisition, the relevance of phonetics in OT constraints, and corresponding theory. Prerequisite: LING 705. LEC

LING 715 Linguistics and Second Language Acquisition (3). Introduction to the study of second language acquisition: The application of theoretical linguistics to the description of the language a learner acquires, and to the process of acquisition. Prerequisite: LING 712. LEC

LING 716 Second Language Acquisition (3). This advanced course will provide in-depth reading and discussion of several current topics including second language acquisition within a generative framework, processing approaches to second language acquisition, and the role of input and learnability principles in second language acquisition. Both theoretical and methodological issues will be discussed. Prerequisite: LING 715; LING 725, which may be taken concurrently, or permission of instructor. LEC

LING 720 Research Methods in Linguistics (3). This course provides a foundation for designing, conducting, and critically evaluating quantitative and qualitative research in the language sciences. Topics include formulating a research hypothesis, participant selection, ethical considerations, analysis, scientific method, validity, reliability, data collection, dependent and independent variables, descriptive and inferential statistics. This course will serve students who are interested in the basics of research design and statistics for the study of language. Prerequisite: An introductory course in linguistics. LEC

LING 722 Linguistic Typology (3). Different languages use different linguistic mechanisms to encode meanings. This course surveys grammatical concepts and categories found in the world’s languages including tense, aspect, mood, voice, person, and number as well as case relations such as nominative, accusative, ergative, and ablative. Basic word order types and topics such as topic, focus, and cohesion are introduced. Examples will be drawn from a wide variety of languages to illustrate how the same concept may be encoded differently, morphologically, syntactically, and lexically. Prerequisite: An introductory course in linguistics. LEC

LING 725 Syntax I (3). The basics of theoretical syntax, examining the principles of universal grammar. Topics include phrase structure, relations among syntactic constituents, and the nature of syntactic rules and lexical categories. Prerequisite: An introductory course in linguistics. LEC

LING 726 Syntax II (3). An advanced course covering one or more current theories of syntax. The course will provide in-depth reading and discussion on the major areas of syntactic theory including universal grammar, phrase structure theory, lexical functional theory, coreference, binding, condition, coordination, constraints on representation, and the relation between syntax and the semantic module. Prerequisite: LING 725. LEC

LING 727 Morphology (3). An exploration of several topics in word structure and formation. Covers short, open, and complex syllables, syllable structure, stress, prosody, and morpho-syntax. Traditional morphology includes a survey of several kinds of word formation processes, the internal structure of words, morpheme types, inflection, paradigms, derivation, and compounding. Morpho-phonology deals with phonological constraints on morphological processes and prosodic morphology. Morpho syntax concentrates on the syntactic properties of morphological phenomena and interaction of syntactic processes and morphology. The course has a strong emphasis on cross-linguistic morphological and morpho-syntactic research. Prerequisite: LING 712, LING 725, or permission of instructor. LEC

LING 730 Linguistics in Anthropology (3). The study of language as it concerns anthropology. Language systems in relation to culture, language taxonomy, semantical and pragmatic analysis as an applied linguistic science (S. H. 135). LEC

LING 731 Semantics (3). A study of meaning in natural language usage. Emphasis on referential semantics. Set theory, propositional and first-order logic, and intensional and modal logic as they relate to nature. Questions that arise in representing the meanings of natural language sentences in a formalized language. Prerequisite: LING 725. LEC

LING 735 Psycholinguistics (3). A detailed examination of issues in the processing of language. The course will provide a survey of research and theory in psycholinguistics, reflecting the influence of linguistic theory and experimental psychology. Spoken and written language comprehension and language production processes will be examined. (Same as PSYC 735.) LEC

LING 737 Topics in Psycholinguistics (3). An in-depth examination of selected topics in psycholinguistics. Topics may include spoken language processing, written language processing, neurosurgery, prosody, and syntactic processing. (Same as PSYC 737.) Prerequisite: PSYC 735 or consent of instructor. LEC

LING 738 Neurolinguistics (3). We will explore how language is represented and processed in the human brain. This will include a critical survey of the foundations and the newest state-of-the-art research in the cognitive neuroscience of language, focusing on the techniques of functional brain imaging (fMRI, PET, EEG, MEG, and related methods), and research on aphasia and other language disorders. This course will also include a laboratory component providing hands-on experience with brain imaging research on language. Prerequisite: LING 705 or LING 712 or LING 725 or LING 731. LEC

LING 739 The Acquisition of Morphosyntax (3). A second semester course in child language which explores the acquisition of morphology, syntax and the ways in which morphophonology and syntax interact in linguistic theory and language development. Topics covered in the course include agreement, case, null subjects, question formation, pronominal binding, quantification, and control. LEC

LING 740 Linguistic Data Processing (3). The tools and techniques necessary to analyze linguistic fieldwork data, including research design, recording and elicitation techniques, computer data processing and analysis of linguistic data. Techniques of research, field recording, and data analysis technology. Methods of phonetic transcription, grammatical annotation, and analysis of language context. Practice of techniques via short studies of at least one language. (Same as ANTH 740.) Prerequisite: LING 705 or permission of instructor. LEC

LING 741 Field Methods in Linguistic Description (3). The elicitation and analysis of phonological, grammatical, and discourse data from a language consultant. In-depth research on one language. Techniques of research design, methods of phonological description, grammatical annotation, and analysis of linguistic context. (Same as ANTH 741.) Prerequisite: LING 705 or permission of instructor. LEC

LING 747 North American Indian Languages (3). Introduction to the nature and distribution of North American Indian languages. Prerequisite: An introductory course in linguistics. LEC

LING 748 Language Contact (3). Theories and case studies of languages in contact. Areal and genetic linguistics, genesis of pidgins and creoles, multilingualism.
Linguistics

LING 749 Linguistics and Ethnolinguistics of China and Central Asia: ______ (3). Selected topics in Linguistics and Linguistic Anthropology, focusing on dominant and/or minority languages of China, Central Asia, or a particular region of Central and Eastern Eurasia. Topics may include any subfield of linguistics, including language contact, typology, dialectology, and sociolinguistics. Topic for semester to be announced. (Same as ANTH 749.) Prerequisite: A course in Linguistics. LEC

LING 750 Comparative and Historical Linguistics (3). Genetic and typological classification of languages, change in phonological and morphological systems, the development of writing and interpretation of written evidence, reconstructive methodology. Prerequisite: Six hours of linguistics, including phonetics. LEC

LING 753 The Indo-European Language Family (3). A survey of the Indo-European language family: its members, divisions, and history; with an introduction to comparative grammar and a history of scholarship in the field. Prerequisite: LING 700 and a reading knowledge of French or German. LEC

LING 782 Research Methods in Child Language (3). A survey of methods for studying phonological, morphological, syntactic, and semantic change during language development. Methods include: diary interpretation, language sample analysis, probe elicitation tasks, and clinical assessment. (Same as PSYC 782.) Prerequisite: LING 735 or equivalent or consent of instructor. LEC

LING 783 Computational Linguistics (3). A survey of computer-based approaches to the study of phonology, morphology, and syntax. In addition to its relevance for basic linguistic research, computer-based work on phonology is central to current research in speech analysis, speech synthesis, and the major artificial intelligence effort described as speech understanding. Computer-based morphological analysis is of theoretical interest to the linguist as well as a major component in content analysis, information retrieval, and other related application areas. Computer-based parsers and syntactic/string generators provide model testers for the linguist and analytical tools for the computer scientist concerned with language applications. Prerequisite: An introductory linguistics course. LEC

LING 791 Topics in Linguistics: ______ (1-3). The content and prerequisites of this course will vary. May be repeated. Prerequisite: Consent of instructor. LEC

LING 794 Proseminar (3). Introduction to the field of linguistics. Topics include research literature and research methods, theses and grant writing, and ethics in linguistic research. Required for all first-year graduate students in linguistics. Graded on satisfactory/unsatisfactory basis. LEC

LING 799 Proseminar in Child Language (2). A review and discussion of current issues in children's language acquisition. May be repeated. Prerequisite: LING 750. S/E. (Same as ABSC 797, PSYC 799 and SPLH 799.) (Formerly HDFL 797.) LEC

LING 810 Seminar in Ethnolinguistics: ______ (2-3). An advanced study of the relations between language and culture. Subject will vary each semester. Students may repeat the course more than once. (Same as ANTH 810.) LEC

LING 822 Seminar on Acquisition of Language (3). An analysis of recent theoretical issues and research problems in the study of children's acquisition of language. LEC

LING 850 Advanced Comparative and Historical Linguistics (3). Mechanisms of linguistic change, syntactic change and reconstruction, distant genetic relationships and comparisons, advanced problems in internal and comparative reconstruction, language and prehistory. Prerequisite: LING 750 or LING 753. LEC

LING 860 Seminar in Second Language Acquisition (3). Analysis of recent theoretical and methodological issues in the study of second language acquisition. Prerequisite: LING 716 or permission of instructor. LEC

LING 899 Master's Thesis (1-12). THE

LING 910 Linguistics Seminar: ______ (1-3). The content and prerequisites of this course will vary. May be repeated. LEC

LING 947 Seminar in Amerindian Linguistics (1-3). The aim of the seminar is to provide opportunity for interaction among faculty and students sharing an interest in North American Native languages and linguistics. Activities include reading, discussion, and criticism of literature on Amerindian languages and linguistics, and reports on current research of the participants. May be repeated. Prerequisite: LING 747. LEC

LING 950 Seminar in Comparative and Historical Linguistics (3). Intensive study of varying topics in this area. May be repeated. Prerequisite: LING 750. LEC

LING 960 Seminar in Applied Linguistics: ______ (3). The content and prerequisites of this course will vary. LEC

LING 970 The Structure of: ______ (2-3). A detailed study of the phonological and grammatical structure of a language not regularly taught at the University. Primarily for students who want a linguistics knowledge of the language rather than a practical command of it. Prerequisite: Two courses in linguistics. LEC

LING 980 Linguistics Field Work (3-6). Independent field work with an informant on a language not normally offered at the University of Kansas, or on a non-standard di-

Mathematics

Chair: Jack Porter
Snow Hall, 1460 Jayhawk Blvd., Room 405
Lawrence, KS 66045-7514, www.math.ku.edu, (785) 864-3651
Graduate Director: Rodolfo Torres, 546 Snow Hall, (785) 864-3651
Professors: Bayer, Brown, Duncan, Fleissner, Galvin, Hu, Huang, Huneke, Katz, Lang, Lerner, Mandal, Nualart, Paschke, Pasik-Duncan, Porter, Roitman, Sheu, Shalt, Torres, Van Vleck, Xu
Associate Professors: Cavosto, Gay, Kachi, Liu, Purnaprajna, Reihani, Stanislavova, Stefanov
Assistant Professors: Dao, Feng, He, Martin, Oh, Talata

The department offers a graduate program leading to both the M.A. and Ph.D. degrees. A broad range of programs is possible in algebra, analysis, combinatorics, control theory, dynamical systems, geometry, numerical analysis, probability, statistics, partial differential equations, set theory, and topology.

The Department of Mathematics has a long tradition of excellence. The first Ph.D. granted at KU was in mathematics in the year 1895. Since then, the graduate program has been a central part of the department’s research and teaching mission and an important component of its long-term planning. The department’s commitment to graduate education has boosted its recent growth in size and enhanced its reputation. Prospective students are encouraged to read additional information at www.math.ku.edu/academics/graduate.html.

Admission

The minimum prerequisites for admission are an undergraduate degree from an accredited institution with a program of study in mathematics and a record of achievements that shows strong promise of success in graduate school. A 3.0 cumulative grade-point average in undergraduate studies and a 3.0 grade-point average in mathematics are required for admission. A prospective student should have taken courses in mathematics at the undergraduate level in abstract algebra, linear algebra, and advanced calculus or introduction to analysis. Such courses should be comparable to KU courses numbered MATH 500, MATH 558, and MATH 590. It is also beneficial to students if they have minimum preparation in probability/statistics or numerical analysis (like KU courses MATH 627/MATH 628 and/or MATH 581).

We also recommend that you take introductory courses in complex analysis, differential equations, and/or topology before

Students in mathematics can design programs with emphases ranging from one of the fields of pure mathematics to one of the fields of applied mathematics and statistics.

Forty-three KU students have won Goldwater Scholarships for excellence in science and mathematics since the award was established in 1989.
considering graduate work in mathematics at KU (see for example KU courses numbered MATH 646 and MATH 647). The department requires the general Graduate Record Examination for all incoming students. International students whose native language is not English also must fulfill English language requirements specified by university policies.

Applicants must submit an application form online at www.graduate.ku.edu. In addition the following materials are required for application: Official transcript from each college or university the applicant has attended, applicant’s résumé/curriculum vitae, a list of the textbooks used in the mathematics courses beyond the calculus level that the applicant has taken, a statement of purpose indicating the applicant’s mathematical preferences and interests. The applicant should also arrange to have three letters of recommendation sent directly to the Department of Mathematics. Official GRE scores and official Test of English as a Foreign Language scores must be sent to the department.

All these application materials should be sent to

The University of Kansas
Department of Mathematics, Graduate Admissions Director
Snow Hall, 1460 Jayhawk Blvd., Room 405
Lawrence, KS 66045-7514

Incomplete applications will not be considered. The minimum admission requirements do not guarantee admission. The graduate committee of the Department of Mathematics evaluates candidates and makes recommendations to the Office of Research and Graduate Studies regarding admission. The number of students admitted to the program changes from year to year, and admissions are competitive based on all application materials.

There are no additional application forms for financial support. Students are considered for support based on merit. Most of the students accepted by the program receive an offer of financial support in the form of a Graduate Teaching Assistantship. The number of GTAs available is limited. For further information about applications and admission, please visit www.math.ku.edu/academics/graduate/graduate-admissions.html.

M.A. Degree Requirements
The M.A. program is flexible and accommodates the different interests and backgrounds of students. Some of the courses required for the M.A. are common to the Ph.D. tracks, and we encourage students interested in an M.A. to take advanced Ph.D. classes among their elective course work. Many Ph.D. students earn an M.A. on the way to the doctoral degree. They have the option to do so after completing the qualifying examinations.

A candidate for the M.A. must fulfill general requirements. At least 30 hours of appropriate graduate credit must be earned with at least a B average, and a research component must be included in the candidate’s program. Usually the research component is fulfilled by writing a thesis or by completing appropriate seminars, independent research, or advanced graduate courses. In addition, a candidate must complete one of these options:

Option 1. Pass the departmental Ph.D. written qualifying examinations and complete 30 hours of courses at the 700 level or higher, of which 12 hours are at the 800 level or higher.

Option 2. Complete the following courses and pass an oral examination: MATH 800, MATH 810, MATH 820, MATH 830, MATH 831, and at least 9 of the remaining 15 hours from courses numbered 700 or above. The additional 9 hours may include the credit (a minimum of 2 hours and a maximum of 6 hours) used to fulfill a research component (e.g., enrollment in MATH 896, MATH 899, MATH 990, MATH 993, or advanced courses). An M.A. candidate must demonstrate an ability to communicate mathematics both orally and in written form. An M.A. candidate not selecting the thesis option (MATH 899) is expected to write a technical report as part of his or her research component. A candidate must give a short (30 to 60 minutes) presentation of her or his research in the first part of the oral examination.

Option 3. Complete 36 credit hours of courses numbered 600 or above. Complete MATH 727, MATH 765, MATH 781, MATH 790, and MATH 791. Complete a research component and pass an oral examination. At least 24 of the 36 hours must be in courses numbered 700 or above. Course equivalents to MATH 727, MATH 765, MATH 781, MATH 790, or MATH 791 may be substituted if approved by the graduate studies committee. An M.A. candidate may, with prior approval of the chair of the graduate studies committee, substitute up to 9 hours of courses taught in other departments. Also, the 36 hours may include the credit (a minimum of 2 hours and a maximum of 6 hours) used to fulfill a research component (e.g., enrollment in MATH 896, MATH 899, MATH 990, MATH 993, or advanced courses). An M.A. candidate must demonstrate an ability to communicate mathematics both orally and in written form. In particular, an M.A. candidate not selecting the thesis option (MATH 899) is expected to write a technical report as part of his or her research component. Also, a candidate must give a short (30 to 60 minutes) presentation of her or his research in the first part of the oral examination. A proposed program of study must be submitted to the chair of the graduate studies committee at the earliest feasible time, preferably during the second semester of enrollment. The degree is awarded only on the basis of an approved program, which can, however, be revised.

Ph.D. Degree Requirements
In addition to general requirements, the department requires the student to meet the following requirements before being admitted to the comprehensive examination.

1. Pass written qualifying examinations, one in algebra, one in analysis, and one in either numerical analysis or probability and statistics. The qualifying examinations must be completed by the beginning of the student’s fifth semester.

2. Pass one preliminary examination in an area close to the focus of the eventual doctoral dissertation. The preliminary examination must be completed by the beginning of the student’s eighth semester.

3. Satisfy the research skills requirement by demonstrating a reading ability in one of four languages—Chinese, French, German, or Russian—and a working knowledge of a programming language such as C++ or FORTRAN

4. Pass a set of required courses, differing in different tracks.

Pure Mathematics. This track requires MATH 800, MATH 810, MATH 820, MATH 830, and an approved course in geometry (e.g., MATH 840, MATH 910, or MATH 920).

A KU mathematics professor won a national award from the Mathematical Association of America for his narrative account of how mathematicians solved a problem that confounded them for 79 years.
Applied Mathematics. This track requires MATH 727 (or the corresponding qualifying examination); MATH 781 (or the corresponding qualifying examination); MATH 800; MATH 810; MATH 881 and MATH 882 or MATH 865 and MATH 866 or MATH 850 and MATH 851; and one of MATH 840, MATH 850, or MATH 950.

Normally the work required to prepare a student for the oral comprehensive examination (and to do research) includes one or more semesters of advanced courses, directed readings, and seminars. In the oral comprehensive examination, a student must show proficiency in the chosen area of mathematics. Precise areas of responsibility on this examination are discussed in detail with the advisory committee (the student's adviser and two other members of the department's Graduate Faculty).

The student must complete four additional courses at the 700 level or above before the final examination. Mathematics courses at the 700 level, or courses outside the department at the 700 level or higher, may be substituted with the approval of the graduate studies committee.

Mathematics Courses

MATH 500 Intermediate Analysis (3).
MATH 510 Introduction to the Theory of Computing (3).
MATH 520 Introduction to the Theory of Functions (3).
MATH 526 Applied Mathematical Statistics I (3). NM
MATH 530 Mathematical Models I (3).
MATH 531 Mathematical Models II (3).
MATH 540 Elementary Number Theory (3).
MATH 542 Vector Analysis (2).
MATH 558 Introductory Modern Algebra (3).
MATH 559 Modern Geometries (3).
MATH 562 Evolution of Mathematical Thought (3).
MATH 570 Undergraduate Honor Seminar (3).
MATH 581 Numerical Methods (3).
MATH 590 Linear Algebra (3).
MATH 591 Applied Numerical Linear Algebra (3).
MATH 596 Special Topics: __________ (1-3).
MATH 601 Algebraic Coding Theory (3).
MATH 605 Applied Regression Analysis (3).
MATH 611 Time Series Analysis (3).
MATH 624 Discrete Probability (3).
MATH 627 Probability (3).
MATH 628 Mathematical Theory of Statistics (3).
MATH 631 Operations Research (3).
MATH 646 Complex Variable and Applications (3).
MATH 647 Applied Partial Differential Equations (3).
MATH 648 Calculus of Variations and Integral Equations (3).
MATH 660 Geometry I (3).
MATH 661 Geometry II (3).
MATH 696 Special Topics: __________ (1-3).
MATH 699 Directed Reading (1-3).
MATH 701 Topics in Mathematics for Teachers: ________ (1-6). Material, including both mathematical content and teaching methodology, related to classroom use at various levels, elementary through secondary. Topics may vary. May not be counted for junior-senior credit towards a major in mathematics, nor for graduate credit towards a graduate degree in mathematics. Prerequisite: Permission of instructor. RSH
MATH 715 Sampling Techniques (3). Statistical methodology of survey sampling. Data analysis and inference methods for various experimental designs; fixed or random sample sizes, pre-and/or post-stratified samples, and multistage estimating. Estimates of totals, means, ratios and proportions with methods of estimating variances of such estimates. Prerequisite: A post-calculus probability or statistics course. LEC
MATH 717 Nonparametric Statistics (3). Methods requiring few assumptions about the populations sampled. Topics include quantile tests, tolerance limits, the sign test, contingency tables, rank-sum tests, and rank correlation. Prerequisite: MATH 628 or permission of instructor. LEC
MATH 722 Mathematical Logic (3). Propositional calculus. First order theories and model theory. Elementary arithmetic and Godel's incompleteness theorems. (Same as ECECS 722.) Prerequisite: MATH 665 or MATH 691, or equivalent evidence of mathematical maturity. LEC
MATH 724 Combinatorial Mathematics (3). Counting problems, with an introduction to Polya's theorem; Motzkin's functions; transversal theory; Ramsey's theorem; Sperner's theorem and related results. LEC
MATH 725 Graph Theory (3). Graphs; trees; connectivity; Menger's theorem; eulerian and hamiltonian graphs; planarity; coloring of graphs; factorization of graphs; matching theory; alternating chain methods; introduction to matroids with applications to graph theory. LEC

MATH 727 Probability Theory (3). A mathematical introduction to premeasure-theoretic probability. Topics include: probability spaces, distributions, independence, random variables, and independent events, random variables and probability distributions, special discrete and continuous distributions with emphasis on parametric families used in applications, the distribution problem for functions of random variables, sequences of independent random variables, laws of large numbers, and the central limit theorem. Prerequisite: MATH 123 or equivalent. LEC
MATH 728 Statistical Theory (3). N Theory of point estimation and hypothesis testing with applications. Confidence region methodologies and relations to estimation and testing. Prerequisite: MATH 727 or equivalent. LEC
MATH 735 Introduction to Optimal Control Theory (3). An introduction to the mathematical methods of deterministic control theory is given by considering some specific examples and the general theory. The methods include dynamic programming, the calculus of variations, Pontryagin's maximum principle. Various problems of linear control systems, e.g., the linear regulator problem, are solved. Prerequisite: MATH 320 or equivalent. LEC
MATH 740 Number Theory (3). Divisibility, the theory of congruences, primitive roots, and number-theoretic functions and miscellaneous additional topics. Prerequisite: MATH 123 or equivalent. LEC
MATH 750 Stochastic Adaptive Control (3). Stochastic adaptive control methods. Stochastic processes such as Markov chains and Brownian motion, stochastic integral, differential rule, stochastic differential equations, martingales and estimation techniques. Identification and control of discrete and continuous time linear stochastic systems. Specific applications and simulation results of stochastic adaptive control theory. Prerequisite: MATH 627 and some knowledge of control. LEC
MATH 765 Introduction to the Theory of Functions I (3). MATH 766 and MATH 766 are theoretical courses on the fundamental concepts of analysis and the methods of proof. These two courses include the concept of a real number; limits, continuity, and uniform convergence; derivatives and integrals of functions of one and of several real variables. Prerequisite: MATH 123 or equivalent. LEC
MATH 766 Introduction to the Theory of Functions II (3). A continuation of MATH 765. Prerequisite: MATH 765. LEC
MATH 780 Numerical Analysis of Linear Systems (3). Computational aspects of linear algebra, linear equations and matrices, direct and indirect methods, eigenvalues and eigenvectors of matrices, error analysis. Prerequisite: MATH 580 and MATH 781. LEC
MATH 781 Numerical Analysis I (3). Finite and divided differences. Interpolation, numerical differentiation, and integration. Gaussian quadrature. Numerical integration of ordinary differential equations. Curvature fitting. (Same as ECECS 781.) Prerequisites: MATH 520 and knowledge of a programming language. LEC
MATH 782 Numerical Analysis II (3). Direct and iterative methods for solving systems of linear equations. Numerical solution of partial differential equations. Numerical determination of eigenvectors and eigenvalues. Solution of nonlinear equations. (Same as ECECS 782.) Prerequisite: MATH 781. LEC
MATH 783 Applied Numerical Methods for Partial Differential Equations (3). Finite difference methods applied to particular initial-value problems (both parabolic and hyperbolic), to illustrate the concepts of convergence and stability and to provide a background for treating more complicated problems arising in engineering and physics. Finite difference methods, problems with elliptic boundary-value problems, a discussion of convergence and methods for solving the resulting algebraic system. Variational methods for elliptic problems. Prerequisite: MATH 647 or equivalent. LEC
MATH 790 Linear Algebra II (3). A theoretical course on the fundamental concepts and theorems covered in linear algebra. Topics covered are: vector space, basis, linear independence, subspace, norm, inner product, Banach space, Hilbert space, orthonormal basis, positive definite matrix, minimal polynomial, diagonalization and other canonical forms. Cayley-Hamilton theorem, central radius, dual space, quotient space. Prerequisite: MATH 590. LEC
MATH 791 Modern Algebra I (3). This course, together with MATH 792, includes the following topics: the number system; groups, rings and fields; matrices and linear transformations; lattices; Galois theory; linear algebras. Prerequisite: MATH 123 or equivalent. LEC
MATH 792 Modern Algebra II (3). Continuation of MATH 791. Prerequisite: MATH 791. LEC
MATH 796 Special Topics: ________ (1-3). Arranged as needed to present appropriate material for groups of students. May be repeated for credit. Prerequisite: Variable. LEC
MATH 799 Directed Readings (1-3). Directed readings on a topic chosen by the student in consultation with the graduate instructor. May be repeated for additional credit. Consent of the department required for enrollment. RSH
MATH 800 Theory of Functions of a Complex Variable (3). Cauchy's theorem and contour integration; the argument principle; maximum modulus principle; Schwarz symetry principle; analytic continuation; monomorphy; applications to the gamma function and Riemann's zeta function; entire and meromorphic functions. Conformal mapping; Riemann mapping theorem; univalent functions. Prerequisite: MATH 766 or concurrently with MATH 766. LEC
MATH 801 Theory of Functions of a Complex Variable (3). Continuation of MATH 800. LEC
MATH 802 Set Theory (3). Axiomatic set theory; transfinite induction; regularity and choice; ordinal and cardinal arithmetic; miscellaneous additional topics (e.g., extra axioms such as CH or MA; infinite combinatorics; large cardinals). Prerequisite: MATH 765 or MATH 791, or concurrent enrollment in MATH 765 or MATH 791, or equivalent evidence of mathematical maturity. LEC
MATH 611 Theory of Functions of a Real Variable (3). Continuation of MATH 810. LEC

MATH 820 Introduction to Topology (3). General topology: Set theory; topological spaces; connected sets; generalized convergence; product and quotient spaces; embedding in cubes; metric spaces and metrization; compact spaces; function spaces. Prerequisite: MATH 765. LEC

MATH 821 Introduction to Geometric and Algebraic Topology (3). The fundamental group; covering spaces (including classification); compactness; homotopy theory; computations (including homotopy invariance) and applications (including Brouwer fixed point theorem); introduction to cohomology theory. Prerequisite: MATH 792 and either MATH 620 or MATH 621. LEC

MATH 822 Algebraic Topology (3). Review of simple homotopy; Lefschetz fixed point theorem and degree theory; singular, cellular, and axiomatic homotopy; Jordan Brouwer separation theorems; universal coefficient theorems, products in cohomology; homotopy groups, and the Hurewicz Theorem. Prerequisite: MATH 821. LEC

MATH 831 Abstract Algebra (3). Continuation of MATH 830. Prerequisite: MATH 830. LEC

MATH 840 Differentiable Manifolds (3). Multilinear algebra of finite dimensional vector spaces over fields; differentiable structures and tangent and tensor bundles; differentiable mappings and differentials; exterior differential forms; curves and surfaces as differentiable manifolds; affine connections and covariant differentiation; Riemannian metrics. Prerequisite: MATH 765 and MATH 792. LEC

MATH 850 Differential Equations and Dynamical Systems (3). Discrete and differentiable dynamical systems with an emphasis on the qualitative theory. Topics to be covered include review of linear systems, existence and uniqueness theorems, flows and discrete dynamical systems, bifurcations: general convergence (product theorem), stable and unstable manifolds, Poincare sections, normal forms, Hamiltonian systems, and an introduction to bifurcation theory and chaos. LEC

MATH 851 Topics in Dynamical Systems (3). Topics to be covered include complex dynamical systems, perturbation theory, nonlinear analysis of time series, chaotic dynamical systems, and numerical methods as dynamical systems. This course may be repeated for credit. LEC

MATH 865 Introduction to Stochastic Processes (3). Markov chains; Markov process; diffusion processes; stationary processes. Emphasis is placed on applications: random walks; branching theory; Brownian motion; Poisson process; birth and death processes. Prerequisite: MATH 627 and MATH 765. LEC

MATH 886 Stochastic Processes II (3). This is a second course in stochastic processes, focused on stochastic calculus with respect to a large class of semi-martingales and its applications: Ito’s formula; martingales; stochastic differential equations (linear SDE), optional stopping, and statistics. The course will start with basic properties of martingales and random walks and then develop into the core program on Ito’s stochastic calculus and stochastic differential equations. These techniques provide useful and important tools and models in many pure and applied areas. Prerequisite: MATH 727 and MATH 865. LEC

MATH 870 The Analysis of Variance (3). The general linear hypothesis with fixed effects; the Gauss-Markov theorem, confidence ellipsoids, and tests under normal theory; multiple comparisons and the effect of departures from the underlying assumptions; analysis of variance for various experimental designs and analysis of variance. Prerequisite: MATH 628 and either MATH 590 or MATH 792. LEC

MATH 872 Multivariate Statistical Analysis (3). The multivariate normal distribution; tests of hypotheses; means and covariance matrices; estimation; correlation; multivariate analysis of variance; principal components; canonical correlation. Prerequisite: MATH 628 and either MATH 590 or MATH 792. LEC

MATH 874 Statistical Decision Theory (3). Game theory, admissible decision functions and complete class theorems; Bayes and minimax solutions; sufficiency; invariance; multiple decision problems; sequential decision problems. Prerequisite: MATH 628 and MATH 766. LEC

MATH 881 Advanced Numerical Linear Algebra (3). Advanced topics in numerical linear algebra including pseudo-spectra, rounding error analysis and perturbation theory, numerical methods for problems with special structure, and numerical methods for large scale problems. Prerequisite: MATH 781, 782, 790, or permission of the instructor. LEC

MATH 882 Advanced Numerical Differential Equations (3). Advanced course in the numerical solution of ordinary and partial differential equations including modern numerical methods and the associated analysis. Prerequisite: MATH 781, 782, 783, or permission of the instructor. LEC

MATH 896 Master’s Research Component (1-6). RSH

MATH 899 Master’s Thesis (1-10). THE

MATH 905 Several Complex Variables (3). Holomorphic functions in several complex variables, Cauchy’s integral for poly-discs, multivariable Taylor series, maximum modulus theorem. Further topics may include: removable singularities, extension theorems, Cauchy-Riemann operator, domains of holomorphy, special domains and algebraic properties of rings of analytic functions. Prerequisite: MATH 800. LEC

MATH 910 Algebraic Curves (3). Algebraic sets, varieties, plane curves, morphisms and rational maps, resolution of singularities, Riemann-Roch theorem. Prerequisite: MATH 791 and MATH 792. LEC

MATH 915 Introduction to Homological Algebra (3). Injective and projective resolutions, homological dimension, chain complexes and derived functors (including Tor and Ext), basic properties of derived functors. Prerequisite: MATH 830 and MATH 831, or consent of instructor. LEC

MATH 920 Lie Groups and Lie Algebras (3). General properties of Lie groups, closed subgroups, one-parameter subgroups, homogeneous spaces, Lie bracket, Lie algebras, exponential map, structure of semi-simple Lie algebras, invariant forms, Maurer-Cartan equation, covering groups, spinor groups. Prerequisite: MATH 791 and MATH 820. LEC

MATH 930 Topics in General Topology (3). Paracompact spaces, uniform spaces, topology of continua, Peano spaces, Hahn-Mazurkiewicz theorem, dimension theory, and theory of retracts. Prerequisite: MATH 820. LEC

MATH 940 Advanced Probability (3). Probability measures, random variables, distribution functions, characteristic functions, types of convergence, central limit theorem. Laws of large numbers and other limit theorems. Conditional probability, Markov processes, and other topics in the theory of stochastic processes. Prerequisite: MATH 811. LEC

MATH 950 Partial Differential Equations (3). Introduction; equations of mathematical physics; classification of linear equations and systems. Existence and uniqueness problems for elliptic, parabolic, and hyperbolic equations. Eigenvalue problems for elliptic operators; numerical methods. Prerequisite: MATH 766. LEC


MATH 961 Functional Analysis (3). Continuation of MATH 960. LEC

MATH 963 C*-Algebras (3). The basics of C*-algebras, approximately finite dimensional C*-algebras, irrational rotation algebras, C*-algebras of isometries, group C*-algebras, crossed products C*-algebras, extensions of C*-algebras and the BDF theory. Prerequisite: MATH 811 or MATH 960, or consent of instructor. LEC

MATH 970 Analytic K-Theory (3). K0 for rings, spectral theory in Banach algebras, K1 for Banach algebras, Bott periodicity and six-term cyclic exact sequence. Prerequisite: MATH 792 and MATH 960. LEC

MATH 990 Seminar: (1-10). LEC

MATH 993 Readings in Mathematics (1-10). RSH

MATH 996 Special Topics: (1-3). Advanced courses on special topics; given as need arises. Prerequisite: Variable. LEC

MATH 999 Doctoral Dissertation (1-10). THE

Media Studies
See Film and Media Studies in the College of Liberal Arts and Sciences: School of the Arts chapter of this catalog.

Meteorology
See Geography.

Molecular Biosciences
See Biological Sciences: Molecular Biosciences.

Microbiology
See Biological Sciences: Molecular Biosciences.

Museum Studies
Director: Marjorie Swann, museumstudies@ku.edu
Bailey Hall, 1440 Jayhawk Blvd., Room 208
Lawrence, KS 66045-7545
http://museumstudies.ku.edu, (785) 864-4543
Museum Studies Faculty Advisory Committee: Hardy (Spencer Museum of Art), Janzen (Anthropology), Lieberman (Geology), Moran (History), D. Smith (Ecology and Evolutionary Biology)
The M.A. program in museum studies provides students with the excellent academic and professional training they need to prepare them for challenging careers in museums, historical agencies, and similar institutions. Students develop both their expertise in an academic discipline—anthropology, geology, history, or natural history—and their knowledge of the issues and practices central to museums. Students take advantage of the superb facilities at KU, including the Dole Institute of Politics, Natural History Museum, Spencer Museum of Art, Spencer Research Library, and Wilcox Classical Museum. Cooperative arrangements can also be made with nearby historical agencies, specialized libraries, and museums. A faculty advisory committee administers the program in conjunction with the participating departments (anthropology, ecology and evolutionary biology, geology, and history).
Admission
The applicant must hold a baccalaureate degree and have at least a B (3.0 on a 4.0 scale) grade-point average in previous academic work to be considered for admission to regular graduate status in the program. Admission is based on the applicant’s undergraduate record, letters of recommendation, statement of academic objectives, writing sample, and Graduate Record Examination scores. Acceptance is decided by the faculty advisory committee in consultation with the department responsible for administering the student’s chosen disciplinary concentration. Students may apply to be admitted for either the fall or spring semesters.

Submit your application online at www.graduate.ku.edu.

All other materials should be submitted directly to

The University of Kansas
Museum Studies Program
Bailey Hall, 1440 Jayhawk Blvd., Room 208
Lawrence, KS 66045-7545

M.A. Degree Requirements
The M.A. degree in museum studies requires 42 credit hours at the graduate level. Required course work falls into three categories: 18 credit hours of courses in one of the participating academic departments (anthropology, ecology and evolutionary biology, geology, or history); 18 hours of required museum studies courses; and 6 credit hours of supervised internship.

Upon satisfactory completion of the required credit hours, a student also must pass a comprehensive formal examination; this exam is usually oral rather than written in format.

Museum Studies Courses

MUSE 701 Museum Management
3. Lecture, discussion, and laboratory exercises on the nature of museums as organizations; accounting, budget cycles, personnel management, and related topics will be presented using, as appropriate, case studies and a simulated museum organization model. (Same as AMS 731, BIOL 785, GEOL 783, and HIST 728.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

MUSE 702 The Nature of Museums
3. The purpose of this course is to provide an overview of the kinds of museums, their various missions, and their characteristics and potentials as research, education, and public service institutions responsible for collections of natural and cultural objects. (Same as AMS 720, BIOL 788, GEOL 782, and HIST 720.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

MUSE 703 Introduction to Museum Exhibits
3. Presentation of principles and practices of exhibit management, design, and production. Topics will include developing a master plan for museum exhibits; concept development; design, installation, and maintenance of exhibits; design theory; design process; label writing and editing; selection of materials architectural requirements and building codes; cost estimating; publicity; security; and exhibit evaluation. Consideration will be given to exhibition problems in public and private museums in the areas of anthropology, art, history, natural history, and technology. (Same as AMS 700, BIOL 787, GEOL 781, and HIST 723.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

MUSE 704 Principles and Practices of Museum Collection Management
3. Lecture, discussion, and laboratory exercises on the nature of museum collections, their associated data, and their use in scholarly research; cataloging, storage, fumigation, automated information management and related topics will be presented for museums of art, history, natural history and anthropology. (Same as AMS 730, BIOL 787, GEOL 785, and HIST 725.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

MUSE 705 Introduction to Museum Public Education
3. Consideration of the goals of an institution’s public education services, developing programs, identifying potential audiences, developing audiences, and funding. Workshops and demonstrations are designed for students to gain practical experience working with various programs and developing model programs. (Same as AMS 797, BIOL 784, GEOL 784, and HIST 721.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

MUSE 706 Conservation Principles and Practices
3. This course will acquaint the future museum professional with problems in conserving all types of collections. Philosophical and ethical approaches will be discussed, as well as the changing practices regarding conservation techniques. Emphasis will be placed on detection and identification of causes of deterioration in objects made of organic and inorganic materials, and how these problems can be remedied. Storage and care of objects will also be considered. (Same as AMS 714, BIOL 700, GEOL 780, and HIST 722.) Prerequisite: Museum Studies student, Indigenous Nations Studies student, or consent of instructor. LEC

MUSE 707 Practical Archival Principles
3. Study of the principles and practices applicable to the preservation, care, and administration of archives and manuscripts. Practical experience will be an integral part of this course. (Same as HIST 727.) LEC

MUSE 710 Current Trends in Curation and Collection Management
2. Seminar course to provide students with a working knowledge of the primary issues and current trends in building, administration, and care of scientific collections. Topics include permits, collecting, accessioning, cataloging, preservation, preventive conservation, and access to collections and data. The course format consists of readings, lectures, guest speakers, discussions, and visits to scientific collections on campus. (Same as BIOL 706.) LEC

MUSE 780 Special Topics: : 1-3. Advanced courses on special topics in museum studies, given as need arises. Lectures, discussions of readings, and guest speakers. Topic for semester to be announced. Prerequisite: Graduate standing in Museum Studies Program or permission of instructor. LEC

MUSE 782 Seminar in Current Museum Topics: : 1-2. In-depth examination of specific topics currently of concern to museums and museum professionals. Topic for semester to be announced. Prerequisite: Graduate standing in Museum Studies Program, or permission of instructor. LEC

MUSE 790 Advanced Study
1-3. Individual research in a specialized topic not ordinarily treated in a Museum Studies core course for which there is a member of the graduate faculty competent and willing to direct a research project. Prerequisite: Consent of instructor. IND

MUSE 793 Museum Apprenticeship
1-6. Provides directed, practical experience in research, collection, care, and management, public education, and exhibits with emphasis to suit the particular requirements of each student. (Same as AMS 799, ANTH 799, BIOL 799, GEOL 723, and HIST 795.) FLD

MUSE 910 Materials Conservation
3. Preservation and collection conservation theory and principles, including condition reporting, conservation of furniture and wooden objects, inorganic-based materials, metal objects, organic-based materials, paintings, photographic materials, textiles, three-dimensional objects, and works on paper. LEC

MUSE 920 Preventive Conservation
3. Theory and principles of preventive conservation, with emphasis on its application to storage environment quality, archival supports and housings, basic bookbinding, composite objects, integrated pest management, light and lighting, paper evaluation and mending, temperature, and relative humidity. LEC

MUSE 930 Conservation Assessment
3. Understanding the conservator-curator relationship; principles of conservation assessment, documentation, conservation research, environmental monitoring, handling objects, photographic documentation, and development of a publishable preservation research project. LEC

MUSE 980 Advanced Conservation
3. Application of conservation theory and practice to exhibition development, planning, and preparation; conservation bookbinding; health and safety in conservation; integrated pest management; ethics of conservation; parameters of professional conservation practice. LEC

Neurosciences
For programs in Neurosciences, see the School of Medicine and School of Pharmacy chapters of this catalog.
Philosophy

Chair: Ben Eggleson, eggleson@ku.edu
Wescoe Hall, 1445 Jayhawk Blvd., Room 3090
Lawrence, KS 66045-7594, www.philosophy.ku.edu, (785) 864-3976
Graduate Adviser: Dale Dorsey, ddorsey@ku.edu,
3070 Wescoe Hall, (785) 864-2139
Professors: Bricke, Cudd, De George, Genova, Marquis, Woelfel
Professors Emeriti: Cole, Martin
Associate Professors: Darby, Eggleson, Robertson, Tuozzo
Assistant Professors: Dorsey, Jenkins

The department offers graduate programs in philosophy leading to the M.A. and Ph.D. degrees. With the School of Law, the department also offers a joint program in law and philosophy leading to the J.D. in law and the M.A. in philosophy.

Admission

Applicants are expected to have taken the following seven courses or their equivalents as preparation for graduate work: symbolic logic, history of ancient philosophy, history of modern philosophy, history of 20th-century analytic philosophy (roughly from Frege to Quine), history of 19th/20th-century Continental philosophy, value theory, and metaphysics/epistemology (broadly construed to include philosophy of language and philosophy of mind). Students may be admitted without some of these courses, but they are expected to make up the deficiencies early in their graduate careers. The department also requires Graduate Record Examination scores (verbal, quantitative, and analytical writing). For more admission information and detailed application instructions, see the department’s Web site. Submit your application online at www.graduate.ku.edu.

M.A. Degree Requirements

The department offers thesis and nonthesis M.A. options. Both require at least 30 credit hours of graduate work in philosophy with a grade of B or higher. At least 15 of these hours must be in courses numbered 800 or above and, for the thesis option, may include 6 hours of PHIL 899 Master’s Thesis. Students must complete two courses at the 500 level or above (or the equivalent) in each of these areas: history of philosophy, metaphysics and epistemology (broadly construed), and value theory. Courses taken during the undergraduate career may be counted toward these area requirements, but such work does not count toward the overall 30-hour graduate credit requirement unless the student took this course work for graduate credit and it is acceptable to the department. A student also must take PHIL 800 Tutorial in the first year.

For the thesis option, the student must submit an acceptable thesis and pass a two-part oral or written examination including one part covering the material of the M.A. program generally and a second part devoted to a defense of the thesis. For the nonthesis option, the student substitutes 6 hours of acceptable graduate work in philosophy courses numbered 800 or above, excluding PHIL 899. The student must pass an oral examination covering the material of the M.A. program. The nonthesis option can be satisfied also by Ph.D. students who successfully complete PHIL 901 Ph.D. Tutorial. These students must be admitted to the Ph.D. program and satisfy M.A. distribution requirements.

Joint J.D./M.A. Degree Program

The joint degree program leading to the J.D. and the M.A. in philosophy develops a student’s understanding and appreciation of the converging disciplines of law and philosophy. The program combines into three years and one summer session the normal three-year J.D. program offered by the School of Law and the three-semester M.A. in philosophy program offered by the Department of Philosophy in the College of Liberal Arts and Sciences. Students complete 81 credit hours in law and 21 credit hours in philosophy. The J.D. and M.A. diplomas are awarded concurrently after completion of joint degree program requirements.

Admission. The program is open to those who have earned baccalaureate degrees from accredited colleges or universities and whose undergraduate academic records indicate that they have the capacity to complete the program. Applicants must meet the admission requirements of the School of Law and the Department of Philosophy. They must apply and be admitted to each school separately before entering the first year. The Law School Admission Test is the only required entrance examination for School of Law applicants. All admission requirements (except Graduate Record Examination scores) and prerequisites for the philosophy graduate program also apply. A student who decides to enter the program while enrolled in the first year of the J.D. or M.A. in philosophy must consult and obtain approval from the School of Law, the Department of Philosophy, and the College of Liberal Arts and Sciences. No student may enter the combined program after completing more than 30 credit hours in the law school or 12 hours in the Department of Philosophy.

Typical Enrollment Pattern for J.D./M.A. Program

First Year (32 credit hours)
Law courses ................................................................. 22
Philosophy courses ...................................................... 9
Second Year (26 credit hours)
Law courses ................................................................. 22
Philosophy courses ...................................................... 6
Third Year (31 credit hours)
Law courses ................................................................. 22
Philosophy courses ...................................................... 9
Summer Session (11 credit hours)
Law courses ................................................................. 5
Philosophy courses ...................................................... 6
Joint J.D./M.A. Degree Requirements

Law courses required of all J.D. candidates ................................ 44
Law courses required for joint degree candidates ..................... 9
Philosophy courses required for joint degree candidates ............. 9
Additional law courses .................................................... 28
Additional philosophy courses ............................................ 12
Total minimum credit hours required .................................. 102

It is essential for the student to consult the director of graduate studies in philosophy and a representative of the School of Law about specific courses required or recommended for this program.

For additional information, see the School of Law Catalog and the General Information chapter of this catalog, or write to the University of Kansas, Associate Dean, School of Law, Green Hall, 1535 W. 15th St., Lawrence, KS 66045-7577, or the University of Kansas, Director of Graduate Programs, Department of Philosophy, Wescoe Hall, 1445 Jayhawk Blvd., Room 3090, Lawrence, KS 66045-7594.

For a detailed description, see the Guidelines and Information for Graduate Students available in the Department of Philosophy.

Ph.D. Degree Requirements

A student preparing for a doctorate in philosophy must meet general requirements and, before officially enrolling in PHIL 999 Dissertation, must satisfy these special requirements:

1. Overall Hours Requirement: Complete at least 48 credit hours of graduate work in regular philosophy courses numbered 500 or above with grades in each course of at least B and an overall grade-point average higher than B in all graduate philosophy courses. At least 24 of these hours must be at the 800...
level or above (including PHIL 800 Tutorial and PHIL 901 Ph.D. Tutorial). Beyond the 48 hours and PHIL 999 Dissertation, additional hours are required as appropriate, in accordance with general and departmental rules.

2. Complete PHIL 800 Tutorial with a grade of B or higher, typically in the second semester of enrollment.

3. Formal Philosophy Requirement: Complete PHIL 610 Symbolic Logic or PHIL 666 Rational Choice Theory with a grade of B or higher.

4. Ph.D. Distribution Requirement: Students must complete at least seven courses from the areas below; 500- and 600-level courses are listed as prerequisite options after 800-level seminars.

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**Metaphysics and Epistemology (two courses)**

- PHIL 620 Philosophy of Natural Science
- PHIL 622 Philosophy of Social Science
- PHIL 628 Philosophy of Logic
- PHIL 630 Philosophy of Mathematics
- PHIL 638 Philosophy of Language
- PHIL 648 Theory of Knowledge
- PHIL 650 Metaphysics
- PHIL 654 Philosophy of Mind

**Philosophy of Science (one course)**

- PHIL 820 Topics in the History of Philosophy: _____ (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)

**Philosophy of Mind (one course)**

- PHIL 787 Topics in Philosophy of Mind: _____ (Prerequisite: PHIL 654 or permission of instructor)

**Philosophy of Ethics (one course)**

- PHIL 888 Topics in the Philosophy of the Social Sciences: _____ (Prerequisite: PHIL 622 or permission of instructor)

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**Value Theory (two courses)**

- PHIL 504 Philosophy of Sex and Love
- PHIL 555 Justice and Economic Systems
- PHIL 662 Aesthetics
- PHIL 668 Political Philosophy
- PHIL 670 Contemporary Ethical Theory
- PHIL 671 Feminist Theories in Ethics
- PHIL 672 History of Ethics
- PHIL 674 Philosophy of Law
- PHIL 676 Medical Ethics: Life and Death Issues
- PHIL 677 Medical Ethics: Professional Responsibilities
- PHIL 850 Topics in Recent Philosophy: _____ (Prerequisite: 500/600-level course as specified or permission of instructor)
- PHIL 855 Davidson (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)
- PHIL 852 Quine (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)
- PHIL 848 Wittgenstein (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)
- PHIL 843 Heidegger (Prerequisite: PHIL 560 or PHIL 562 or PHIL 570 or PHIL 582 or PHIL 590 or PHIL 592 or permission of instructor)
- PHIL 835 Frege (Prerequisite: PHIL 628 or PHIL 630 or PHIL 654 or permission of instructor)
- PHIL 845 Kant (Prerequisite: PHIL 648 or PHIL 650 or PHIL 654 or permission of instructor)
- PHIL 824 Hume (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)
- PHIL 831 Hegel (Prerequisite: 500/600-level course as specified or permission of instructor)
- PHIL 820 Topics in the History of Philosophy: _____ (Prerequisite: 500/600-level course as specified or permission of instructor)

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**Analytical Logic and Critical Thinking (two courses)**

- PHIL 622 Philosophy of Natural Science
- PHIL 622 Philosophy of Social Science
- PHIL 628 Philosophy of Logic
- PHIL 630 Philosophy of Mathematics
- PHIL 638 Philosophy of Language
- PHIL 648 Theory of Knowledge
- PHIL 650 Metaphysics
- PHIL 654 Philosophy of Mind

**Philosophy of Science (one course)**

- PHIL 820 Topics in the History of Philosophy: _____ (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)

**Philosophy of Mind (one course)**

- PHIL 787 Topics in Philosophy of Mind: _____ (Prerequisite: PHIL 654 or permission of instructor)

**Philosophy of Ethics (one course)**

- PHIL 888 Topics in the Philosophy of the Social Sciences: _____ (Prerequisite: PHIL 622 or permission of instructor)

---

**Value Theory (two courses)**

- PHIL 504 Philosophy of Sex and Love
- PHIL 555 Justice and Economic Systems
- PHIL 662 Aesthetics
- PHIL 668 Political Philosophy
- PHIL 670 Contemporary Ethical Theory
- PHIL 671 Feminist Theories in Ethics
- PHIL 672 History of Ethics
- PHIL 674 Philosophy of Law
- PHIL 676 Medical Ethics: Life and Death Issues
- PHIL 677 Medical Ethics: Professional Responsibilities
- PHIL 850 Topics in Recent Philosophy: _____ (Prerequisite: 500/600-level course as specified or permission of instructor)
- PHIL 855 Davidson (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)
- PHIL 852 Quine (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)
- PHIL 848 Wittgenstein (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)
- PHIL 843 Heidegger (Prerequisite: PHIL 560 or PHIL 562 or PHIL 570 or PHIL 582 or PHIL 590 or PHIL 592 or permission of instructor)
- PHIL 835 Frege (Prerequisite: PHIL 628 or PHIL 630 or PHIL 654 or permission of instructor)
- PHIL 845 Kant (Prerequisite: PHIL 648 or PHIL 650 or PHIL 654 or permission of instructor)
- PHIL 824 Hume (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)
- PHIL 831 Hegel (Prerequisite: 500/600-level course as specified or permission of instructor)
- PHIL 820 Topics in the History of Philosophy: _____ (Prerequisite: 500/600-level course as specified or permission of instructor)

**Philosophy of Science (one course)**

- PHIL 820 Topics in the History of Philosophy: _____ (Prerequisite: PHIL 638 or PHIL 654 or permission of instructor)

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5. PHIL 901 Ph.D. Tutorial: All students must satisfy this requirement. Students may not enroll in PHIL 901 before the third semester and normally should enroll in PHIL 901 no later than the sixth semester. Students who successfully petition to reduce the overall 48-hour requirement by as many as 18 hours should enroll in PHIL 901 no later than the fourth semester.

6. Satisfy the department requirement in Foreign Language or Other Research skills (FLORS) by completion of PHIL 800 Tutorial and demonstration of a reading knowledge of one of the following languages: French, German, Greek, Latin, or a language approved by the department in response to the student’s petition. Any student planning to write a dissertation dealing with primary texts written in languages other than English must, before submitting a prospectus, satisfy the dissertation committee that he or she has an adequate reading knowledge of the language or languages, if the committee deems that necessary.

7. Pass the comprehensive oral examination for Ph.D. candidacy. This examination cannot be taken until all of the above requirements have been completed, or until the semester in which the requirements will be completed.

After the oral comprehensive examination has been passed, the student must write a dissertation of substantial merit showing the planning, conduct, and result of original research and must pass a final oral examination and defense of the dissertation.

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**Graduate Work in Applied Ethics**

Several faculty members have an interest in topics in applied ethics, in particular in business and medical ethics. Students who plan to emphasize applied ethics may do so under the supervision of this faculty group.

**Prospectus for Thesis or Dissertation**

Any candidate who enrolls in either PHIL 899 Master’s Thesis or PHIL 999 Dissertation should have selected a member of the department as thesis or dissertation adviser and should submit a prospectus to the department, showing what problems the
student plans to investigate and what methods are to be employed. The candidate should present a preliminary list of works to be consulted and suggest, if possible, the conclusion he or she expects or hopes to establish.

**Time Limits and Other Restrictions**

Information on time limits may be found under Program Time Constraints in the General Information chapter of this catalog. The rule for transferring credit toward the M.A. appears under General Regulations in the General Information chapter.

The department’s requirement of 48 credit hours of acceptable graduate work for the Ph.D. can be reduced by petition depending on the amount and quality of equivalent graduate work completed at another institution. A student may petition the graduate faculty for a reduction (after consultation with the director of graduate studies) during the first year in the graduate program. The student must satisfy the faculty as to the quality of the petitioned course work. However, at least 24 hours of acceptable graduate work must be taken in the Department of Philosophy at KU.

### Philosophy Courses

**PHIL 500 Studies in Philosophy:** (1-6).

**PHIL 504 Philosophy of Sex and Love (3).**

**PHIL 506 Chinese Thought (3).** NW

**PHIL 508 Early Greek Philosophy (3).**

**PHIL 555 Justice and Economic Systems (3).**

**PHIL 560 Nineteenth-Century Philosophy (3).**

**PHIL 562 Kierkegaard (3).**

**PHIL 570 Nietzsche (3).**

**PHIL 580 Marxism (3).**

**PHIL 582 Existentialism (3).**

**PHIL 590 Phenomenology (3).**

**PHIL 592 Contemporary Continental Philosophy (3).**

**PHIL 600 Readings in Philosophy:** (1-6).

**PHIL 605 The Philosophy of Plato (3).**

**PHIL 607 The Philosophy of Aristotle (3).**

**PHIL 608 Hellenistic Philosophy (3).**

**PHIL 610 Symbolic Logic (3).**

**PHIL 611 Topics in Symbolic Logic:** (1-3).

**PHIL 620 Philosophy of Natural Science (3).**

**PHIL 622 Philosophy of Social Science (3).**

**PHIL 628 Philosophy of Logic (3).**

**PHIL 630 Philosophy of Mathematics (3).**

**PHIL 638 Philosophy of Language (3).**

**PHIL 648 Theory of Knowledge (3).**

**PHIL 650 Metaphysics (3).**

**PHIL 654 Philosophy of Mind (3).**

**PHIL 662 Aesthetics (3).**

**PHIL 666 Rational Choice Theory (3).**

**PHIL 668 Political Philosophy (3).**

**PHIL 670 Contemporary Ethical Theory (3).**

**PHIL 671 Feminist Theories in Ethics (3).**

**PHIL 674 Philosophy of Law (3).**

**PHIL 676 Medical Ethics: Life and Death Issues (3).**

**PHIL 677 Medical Ethics: Professional Responsibilities (3).**

**PHIL 684 Main Currents of Russian Thought I (3).**

**PHIL 686 Main Currents of Russian Thought II (3).**

**PHIL 800 Tutorial (3).** Intensive supervised training in the techniques of research. Required of every graduate student seeking an advanced degree in the first or second semester of enrollment. Passing this tutorial constitutes partial fulfillment of the Ph.D. FLORS requirements. Consent of instructor required for repeating the course. Prerequisite: Graduate standing. RSH

**PHIL 805 Plato (3).** Prerequisite: PHIL 508 or PHIL 605 or PHIL 607 or PHIL 608 or permission of instructor. LEC

**PHIL 807 Aristotle (3).** Prerequisite: PHIL 508 or PHIL 605 or PHIL 607 or PHIL 608 or permission of instructor. LEC

**PHIL 820 Topics in the History of Philosophy:** (1-3). This course may be offered by different instructors under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topic, instructor, and specific prerequisites to be announced in the Schedule of Classes. Prerequisite: 500/600-level course as specified or permission of instructor. LEC

**PHIL 824 Hume (3).** Prerequisite: PHIL 648 or PHIL 650 or PHIL 654 or permission of instructor. LEC

**PHIL 828 Kant (3).** Prerequisite: PHIL 648 or PHIL 650 or PHIL 654 or permission of instructor. LEC

**PHIL 831 Hegel (3).** Prerequisite: PHIL 560 or 500/600-level course as specified or permission of instructor. LEC

**PHIL 835 Frege (3).** Gottlob Frege was the founder of the analytic movement in philosophy, having done seminal work in logic, the philosophy of language, and the philosophy of mathematics. This course will focus on his primary texts as well as his influence on present-day studies. Prerequisite: PHIL 628 or PHIL 630 or PHIL 638 or permission of instructor. LEC

**PHIL 843 Heidegger (3).** Prerequisite: PHIL 560 or PHIL 562 or PHIL 570 or PHIL 582 or PHIL 590 or PHIL 592 or permission of instructor. LEC

**PHIL 848 Wittgenstein (3).** Prerequisite: PHIL 638 or PHIL 650 or PHIL 654 or permission of instructor. LEC

**PHIL 850 Topics in Recent Philosophy:** (1-3). This course may be offered by different instructors under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topic, instructor, and specific prerequisite to be announced in Schedule of Classes. Prerequisite: 500/600-level as specified or permission of instructor. LEC

**PHIL 852 Quine (3).** A systematic study of the major work of W. V. Quine and its influence on subsequent analytic philosophy. Topics will include Quine’s theory of meaning, philosophical logic, and philosophy of science. Prerequisite: PHIL 638 or PHIL 650 or PHIL 654 or permission of instructor. LEC

**PHIL 855 Davidson (3).** An examination of Donald Davidson’s seminal work in philosophy of language and philosophy of mind. Among the topics to be considered will be meaning, truth, interpretation, action, and propositional attitudes. Prerequisite: PHIL 638 or PHIL 654 or permission of instructor. LEC

**PHIL 860 Topics in Philosophy of Science:** (3). This course may be offered under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topic and instructor and specific prerequisite to be announced in the Schedule of Classes. Prerequisite: PHIL 620 or PHIL 622 or PHIL 648 or PHIL 650 or permission of instructor. LEC

**PHIL 862 Topics in Logic:** (3). This course may be offered under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topic and instructor and specific prerequisite to be announced in the Schedule of Classes. Prerequisite: PHIL 638 or PHIL 650 or PHIL 654 or permission of instructor. LEC

**PHIL 868 Topics in Philosophy of Language:** (1-3). This course may be offered under different subtitles and may be taken more than once if the subject matter varies sufficiently. Prerequisite: PHIL 638 or permission of instructor. LEC

**PHIL 870 Topics in Metaphysics:** (3). This course may be offered under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topic and instructor and specific prerequisite to be announced in the Schedule of Classes. Prerequisite: PHIL 650 or permission of instructor. LEC

**PHIL 872 Topics in Theory of Knowledge:** (1-3). This course may be offered under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topic and instructor and specific prerequisite to be announced in the Schedule of Classes. Prerequisite: PHIL 650 or permission of instructor. LEC

**PHIL 877 Topics in Philosophy of Mind:** (3). This course may be offered under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topic and instructor and specific prerequisite to be announced in the Schedule of Classes. Prerequisite: PHIL 654 or permission of instructor. LEC

**PHIL 880 Topics in Ethics:** (3). This course may be offered under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topic and instructor and specific prerequisite to be announced in the Schedule of Classes. Prerequisite: PHIL 670 or PHIL 672 or permission of instructor. LEC

**PHIL 884 Topics in Social and Political Philosophy:** (1-3). This course may be offered under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topic and instructor and specific prerequisite to be announced in the Schedule of Classes. Prerequisite: PHIL 555 or PHIL 666 or PHIL 668 or PHIL 674 or permission of instructor. LEC

**PHIL 886 Topics in Applied Ethics:** (3). This course may be offered under different subtitles, such as professional ethics or some issue in business ethics (e.g., corporate responsibility) or in medical ethics (e.g., the definition of death); it may be taken more than once if the subject matter varies sufficiently. Topic, instructor, and specific prerequisite to be announced in Schedule of Classes. Prerequisite: PHIL 670 or PHIL 672 or 500/600-level course as specified or permission of instructor. LEC

**PHIL 888 Topics in the Philosophy of the Social Sciences:** (1-3). This course may be offered under different subtitles, such as philosophy of a particular social science (e.g., economics, psychology) or a particular issue in the social sciences (e.g., identity, altruism, reductionism), and may be taken more than once if the subject matter varies sufficiently. Topic and instructor and specific prerequisite to be announced in the Schedule of Classes. Prerequisite: PHIL 622 or permission of instructor. LEC

**PHIL 890 Topics in Continental Philosophy:** (3). This course may be offered under different subtitles, and may be taken more than once if the subject matter varies sufficiently. Topics, instructor, and specific prerequisites to be announced in the Schedule of Classes. LEC

**PHIL 899 Master’s Thesis (1-6).** Six hours of credit will be awarded upon completion of the master’s thesis, but no more than six hours of credit may be obtained in this course altogether. THE

**PHIL 900 Research in Philosophy:** (1-3). Intensive research in philosophy. This course may be taken through individual arrangement, or in connection with small research seminars which are offered occasionally. Students may only enroll
for three hours in any given semester. May be repeated if content varies signifi-
cantly. Prerequisite: Twelve hours of graduate work. RSH
PHIL 901 Ph.D. Tutorial (3). Independent research on any topic that a graduate
student and a faculty member shall agree on. It shall result in a tightly focused 20-
30-page paper. The student’s written work will be repeatedly evaluated over the
semester by the director, and the final product must be defended in an oral exami-
nation conducted by a three-member faculty committee (including the director).
Prerequisite: Students must be admitted to the Ph.D. program and have success-
fully completed the Ph.D. core courses requirement. RSH
PHIL 999 Dissertation (1-12). This course may be taken more than once, but not
for more than twelve hours of credit in any one semester. THE

Physics and Astronomy
Chair: Stephen J. Sanders
Associate Chair: Philip Baringer
Malott Hall, 1251 Wescoe Hall Dr., Room 1082
Lawrence, KS 66045-7572, www.physics.ku.edu, (785) 864-4626
Graduate Adviser: Hume Feldman, 6070A Malott Hall,
(785) 864-4740
Professors: Anthony-Twarog, Baringer, Bean, Besson, Cravens, Han,
Hawley, Melott, Ralston, Sanders, Shandarin, Shi, Twarog, Wu
Professors Emeriti: Armstrong, Bearse, Davidson, Davis, Eagleman,
Friauf, Kwak, McKay, Munczek, Sapp, Shawl, Wiseman, Wong
Associate Professors: Feldman, Marfatia, Medvedev, Murray, Wilson
Adjunct Associate Professors: Baird, Belden, Dreschhoff, B. Laird
Assistant Professors: Antonik, Fischer, Rudnick, Zhao
Adjunct Assistant Professors: Thomas
Courtesy Appointments: C. Laird, Lerner, McElwee

Admission
Ordinarily, admission requires an undergraduate grade-point average of at least B (3.0 on a 4.0 scale), overall and in the major.
A baccalaureate degree with a major in physics is desirable but
not required. Recommended preparation consists of courses in
mechanics, electromagnetic theory, thermal physics, introductory
quantum mechanics, advanced laboratory, and at least one
course in mathematics beyond differential equations. Working
knowledge of computers and of an advanced programming
language is helpful. A student with less than the recommended
preparation may enroll in these courses for graduate credit.
Submit your application online at www.graduate.ku.edu.
Send all other requested application materials to
The University of Kansas
Department of Physics and Astronomy, Graduate Secretary
Malott Hall, 1251 Wescoe Hall Dr., Room 1082
Lawrence, KS 66045-7572

M.S. Degree Requirements
M.S. Degree in Physics. Candidates must complete a minimum of
30 credit hours of advanced lecture courses (numbered 500 or
above) in physics and related subjects within a period of seven
years. These courses must include
PHSX 711 Quantum Mechanics I
PHSX 821 Classical Mechanics
PHSX 831 Electrodynamics I
PHSX 721 Chaotic Dynamics
PHSX 741 Nuclear Physics I
PHSX 761 Elementary Particles I
PHSX 781 Solid State Physics I
PHSX 793 Physical Cosmology
PHSX 795 Space Plasma Physics
PHSX 815 Computational Methods in Physical Sciences
A minimum of 2 hours in PHSX 899 Master’s Research/Thesis
is required, with a maximum of 6 hours that count toward the
master’s degree. A candidate who has not had an advanced under-
graduate laboratory course (junior/senior level) must take one
of the three advanced laboratory courses offered in the department.
Undergraduate Certification: Certification of knowledge of
undergraduate physics normally must be completed within 12
months of entering the M.S. program, in addition to the required
course work. Extension is possible with recommendation of the
graduate admission committee. Certification can be achieved in
several ways: (1) a scaled Graduate Record Examination physics score greater than or equal to 600; or (2) determination
by the graduate director and graduate adviser, based on the
diagnostic examination given on entering the program combined with
the student’s undergraduate record, that the student understands
all major elements of undergraduate physics; or
(3) successful completion with grade of B or higher of all under-
graduate courses that the graduate director or adviser recom-
mands based on the results of (2). A student who has not suc-
ceded in certifying undergraduate physics knowledge could,
within 12 months of starting the program, petition the graduate
committee for an oral examination on undergraduate physics.
The oral examination is administered by a committee of six faculty
members assigned by the department.
Communication Skills: All graduate students must deliver at least
one oral presentation per semester, with at least two faculty mem-
bers or their professional equivalents present.
Candidates must pass a general oral examination in physics.
The examination is given shortly before completion of other work
for the degree. A master’s thesis is not required but may be sub-
mitted if the candidate and the director of the candidate’s research
believe it to be appropriate.

M.S. Subspecialty in Computational Physics and Astronomy.
A total of 30 hours of graduate credit is required. The 33 hours
listed below under parts A and B may include certain under-
graduate-level electrical engineering and computer science
courses. Students entering the program may have satisfied sev-
eral of these requirements. A total of 30 hours of graduate credit
is still required. No more than the required 6 hours of PHSX 899
Master’s Research/Thesis may be counted toward the degree.
A. Required Courses (21 credit hours)
PHSX 815 Computational Methods in Physical Sciences/ 
ASTR 815 Computational Physics and Astronomy ................................. 3
PHSX 718 Mathematical Methods in Physical Sciences ........................... 3
MATH 781/EECS 781 Numerical Analysis I ............................................. 3
EECS (one course at the 300 level or above in addition to EECS 781) ........ 3
Note: Courses below the 500 level do not count toward the required 30 hours
of graduate credit.
One additional PHSX/ASTR/ATMO course at the 500 level or above .......... 3
PHSX 809 Master’s Research/Thesis ...................................................... 6
B. Twelve or more credit hours from the following list: ____________________________ 12
Note: A course used to fulfill a requirement under A (e.g., EECS 448) may not
also be counted under B.
*EECS 360 Signal and System Analysis (3)
*EECS 368 Functional Programming (3)
*EECS 388 Computer Systems and Assembly Language (4)

Faculty and students in nuclear physics are studying the collisions of relativistic heavy-ions in data
obtained from the RHIC collider facility, using detectors designed and constructed on campus.

KU particle physicists are looking for new phenomena at the world’s highest energy accelerators:
Fermilab’s currently operating proton-antiproton collider, CERN’s soon-to-be-completed Large
Hadron Collider, and the proposed next-generation electron-positron linear collider.
in physics and related subjects. These must include the following:

- Credit hours of advanced lecture courses, numbered 500 or above,
- Electives (minimum of 10 hours at the 700 level or above that must include

**Electives (minimum of 10 hours at the 700 level or above that must include**

**PHSX 899 Master’s Research/Thesis ........................................ 2-6**

**PHSX 815 Computational Methods in Physical Sciences (3)**
**PHSX 872/GEOL 772 Geophysical Data Analysis (3)**
**PHSX 723/GEOL 773 Seismology (3)**
**PHSX 724 Potential Fields in Geophysics (3)**
**PHSX 727/GEOL 771 Advanced Geophysics: _____ (3)**

The student must write a research/thesis proposal and orally defend it before a committee of three faculty members, at least one of whom is from a department other than physics and astronomy. The student also must orally defend the completed master’s research/thesis project before this committee.

**Ph.D. Degree Requirements**

**Residence.** The student must spend the equivalent of three full academic years in graduate study at this or another approved institution or laboratory. Graduate students with half-time assistantships usually require at least four years to complete all requirements. Maximum enrollment for students with no other departmental obligations is 16 hours a semester. In addition to satisfying the residence requirement, a student with a half-time assistantship must be enrolled for at least 6 hours each semester. A maximum of 12 hours is permitted if the student’s duties consist of research that partially fulfills degree requirements. A fellowship holder or full-time student with private support must be enrolled for at least 9 hours.

To be eligible for teaching assistantships, all graduate students who are not native speakers of English must achieve a minimum score of 50 on the SPEAK test. International students must pass an oral examination to demonstrate English fluency. Students who fail this examination should take courses from the Applied English Center.

**Time Limits.** Students entering with bachelor’s degrees have a maximum time limit of eight years to complete the Ph.D. Students entering with master’s degrees have a six-year limit. It is not necessary to obtain a master’s degree to begin study for a Ph.D.

**Preliminary Candidacy.** To be admitted to preliminary candidacy, each graduate student must satisfy department requirements:

1. Undergraduate knowledge of physics must be certified by the department at the advanced undergraduate level (600-level KU courses). This normally must be completed within 12 months of entering the program, in addition to required course work. Extension is possible with recommendation of the graduate department. Certification can be achieved in several ways: (1) a scaled GRE physics score greater than or equal to 600; (2) determination by the graduate director and graduate adviser, based on the diagnostic examination given on entering the program combined with the student’s undergraduate record, that the student understands all major elements of undergraduate physics; or (3) successful completion with grade of B or better of all undergraduate courses that the graduate director or adviser recommends based on the results of (2). A student who has not succeeded in certifying undergraduate physics knowledge could, within 12 months of starting the program, petition the graduate committee for an oral examination on undergraduate physics. The oral examination is administered by a committee of six faculty members assigned by the department.

2. A minimum grade-point average of 3.2 must be achieved in core courses. It is computed from the following five equally weighted elements:

- Grade obtained in PHSX 711 Quantum Mechanics I
- Grade obtained in PHSX 811 Quantum Mechanics II
- Grade obtained in PHSX 821 Classical Mechanics
- Grade obtained in PHSX 831 Electrodynamics I
- Average grade of two other PHSX lecture courses numbered 700 or higher

Students entering with graduate credit from other institutions may petition the departmental committee on graduate studies to use the credits to meet KU requirements. For the core grade-point average, grades of B or higher from other institutions may be used for at most three of the four specified courses. For the remaining course, the student must obtain written certification of a B or higher from the KU instructor. Certification may be obtained by taking the course, taking the final examination (if any), or other means determined by the instructor. An appropriate higher-level course also may be used for certification in a core course. The two other PHSX lecture courses numbered 700 or higher must be taken at KU. Graduate students normally should complete all core courses by the end of the second year.

On admission to preliminary candidacy, the student selects a research adviser who appoints a tentative dissertation committee with the adviser as chair and at least two other members of the

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**Theoretical physicists at KU are actively investigating the structure of the proton, the large-scale structure of the universe, and the connection between quantum gravity and the highest energy cosmic rays.**

**Condensed-matter physicists at KU are exploring quantum devices that could be used as qubits in quantum computers, machines that could be orders of magnitude faster than current computers.**

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department’s Graduate Faculty. This committee serves until the student passes the comprehensive oral examination and the dissertation committee is appointed. The computing skill requirement should be met within one year (by taking PHSX 815), and the comprehensive oral examination should be scheduled within two years after the student attains preliminary candidacy.

**Course Requirements.** A total of 11 advanced lecture courses (33 hours) is required. In addition, 1 hour of PHSX 700 Colloquium is required.

1. Core courses:
   - PHSX 711 Quantum Mechanics I
   - PHSX 811 Quantum Mechanics II
   - PHSX 821 Classical Mechanics
   - PHSX 831 Electrodynamics I

2. Other required courses:
   - PHSX 700 Colloquium
   - PHSX 718 Mathematical Methods in Physical Sciences
   - PHSX 815 Computational Methods in Physical Sciences (satisfies FLORS requirement)
   - PHSX 871 Statistical Physics I
   - PHSX 931 Electrodynamics II

3. Two additional PHSX lecture courses numbered 700 or above. The courses must be in different subfields of physics. They may not be used simultaneously to satisfy other degree requirements.

4. One additional advanced PHSX lecture course numbered 800 or above.

5. A Ph.D. student who has not had the equivalent of 6 credit hours of advanced undergraduate laboratory course work (junior/senior level) must take an advanced laboratory course. Other experimental work (e.g., senior thesis or undergraduate research) may be considered for this requirement. The student and the adviser select subsequent work, consisting of advanced courses in appropriate fields and seminars, based on the student’s need and intended specialization. There is no prescribed total number of credit hours. The student’s dissertation committee determines the adequacy of courses and seminars and specifies total course requirements.

**Colloquium and Graduate Seminar.** All students must enroll in PHSX 700 Colloquium in the sixth semester. Students should have attended at least 75 percent of the regularly scheduled colloquia during the six semesters to achieve a passing grade. One semester of the first year, students are expected to attend the graduate seminar to become familiar with research programs and to gain experience in oral presentations.

**Computing Skill.** Students must complete PHSX 815 Computational Methods in Physical Sciences/ASTR 815 Computational Physics and Astronomy with a grade of A or B, preferably within one year after admission to preliminary candidacy. This course has significant prerequisites in advanced undergraduate computer science and requires completion of a substantial computer program to solve a physical problem.

**Comprehensive Examination.** After completing a major portion of the required course work and satisfying the computing skill requirement, the student must pass the comprehensive examination. The department recommends five members for the examining committee to Graduate Studies. One member must be from outside the department. Requests to take the examination must be made at least three weeks before the examination. The student writes a 2,000- to 4,000-word paper relevant to thesis work. The paper must be presented at least one week before the scheduled oral examination. The student is examined on the oral presentation, the contents of the paper, the bibliography, the general field of physics, and other related material. The student must receive passing grades on both the written and oral examinations.

**Research and Post-Comprehensive Enrollment.** Upon passing the comprehensive oral examination, the aspirant becomes a candidate for the Ph.D. Graduate Studies designates the candidate’s dissertation committee, based on department recommendations. The committee establishes course requirements and directs the research project. The candidate must remain continuously enrolled, full time including summer sessions, until all requirements are met. The number of hours is determined by the committee and should accurately reflect the candidate’s demands on faculty time and university resources.

**Final Oral Examination.** At least five months must elapse between the comprehensive oral examination and the final oral examination. When the dissertation has been tentatively accepted, the committee chair requests the final oral examination to be scheduled. This request must be made two weeks before the examination. The dissertation committee recommends at least five members, one of whom must be from outside the department. The candidate must defend his or her dissertation in an open meeting. Rules for preparing the final copies of the dissertation are available online at www.graduate.ku.edu.

**Engineering Physics**
Chair: Stephen Sanders, 1082 Malott Hall, (785) 864-4626

No graduate program in engineering physics is offered. Courses at the 500 and 600 levels carry graduate credit. EPHX courses are listed in the School of Engineering chapter of this catalog.

**Astronomy Courses**
- ASTR 503 Undergraduate Research (1-4).
- ASTR 591 Stellar Astronomy (3).
- ASTR 592 Galactic and Extragalactic Astronomy (3).
- ASTR 596 Observational Astrophysics (1).
- ASTR 597 Analysis in Astrophysics (1-3).
- ASTR 691 Astrophysics I (3).
- ASTR 692 Astrophysics II (3).
- ASTR 791 Seminar in Astrophysics (1-3). Seminar designed to cover current topics in the physics of the Universe beyond the solar system. Content will vary. Graduate students engaged in or preparing for research may repeat enrollments in this course. Open to undergraduates with twelve hours of physics/astronomy courses numbered 500 or above, or consent of instructor. LEC
- ASTR 795 Space Plasma Physics (3). The physics of fully ionized gases in magnetic fields and their application to interplanetary processes, planetary radiation belts, and the surface of the sun. The motion of charged particles in magnetic fields, magnetohydrodynamic waves, the solar wind and the magnetosphere. (Same as PHSX 795.) Prerequisite: PHSX 621. Corequisite: PHSX 631. LEC
- ASTR 815 Computational Physics and Astronomy (3). Advanced computer applications in physics and astronomy. General discussion and illustration of problem organization and solution by numerical and other methods with examples from plasma, space, solid state, elementary particle, and nuclear physics and astronomy. Students will design, write, validate, and document a computer program to solve a physical problem. (Same as PHSX 815 and CHEM 914.) Prerequisite: Six hours of computer science courses numbered 300 or above, and six hours of physics and/or astronomy courses numbered 300 or above. LEC
- ASTR 897 Seminar in Plasma and Space Physics (1-3). Graduate students engaged in or preparing for research may repeat enrollments in this course. The content will vary. (Same as PHSX 897.) LEC

**Physics Courses**
- PHSX 500 Special Problems (1-5).
- PHSX 501 Honors Research (1-4).
- PHSX 502 Seminar in Physics and Astronomy Instruction (1-3).
- PHSX 503 Undergraduate Research (1-4).
- PHSX 511 Introductory Quantum Mechanics (3).
- PHSX 516 Physical Measurements (4).
- PHSX 518 Mathematical Physics (3).
- PHSX 521 Mechanics I (3).
- PHSX 528 Geodynamics and Plate Tectonics (3).
- PHSX 531 Electricity and Magnetism (3).
- PHSX 536 Electronic Circuit Measurement and Design (4).
- PHSX 555 Topics in Mechanics, Properties of Materials, Thermodynamics (1-3).
- PHSX 558 Topics in Electricity and Magnetism and Optics (1-3).
- PHSX 559 Topics in Modern Physics (1-3).
- PHSX 594 Cosmology and Culture (1).
- PHSX 600 Special Topics in Physics and Astrophysics (1-3).
- PHSX 615 Numerical and Computational Methods in Physics (3).
PHSX 621 Mechanics II (3).
PHSX 623 Physics of Fluids (3).
PHSX 631 Electromagnetic Theory (3).
PHSX 641 Introduction to Nuclear Physics (3).
PHSX 655 Optics (3).
PHSX 661 Introduction to Elementary Particle Physics (3).
PHSX 671 Thermal Physics (3).
PHSX 681 Concepts in Solids (3).
PHSX 691 Astrophysics I (3).
PHSX 693 Gravitation and Cosmology (3).
PHSX 700 Colloquium (1). Topics of current interest in physics, astronomy, and atomic, molecular, and subatomic phenomena are presented.
PHSX 701 Major Experiments and Observations in Classical and Contemporary Physics (1-3). Critique, discussions, and interpretation of the most important discoveries and observations in physics.
PHSX 717 Graduate Seminar (1). First year graduate students meet to survey research opportunities in the department and develop skills in giving oral presentations in physics and related areas. Prerequisite: None. Only one hour of PHSX 717 can count toward required hours for degree.
PHSX 718 Mathematical Methods in Physical Sciences (3). Review of complex variable theory; introduction to the partial differential equations of physical systems; Fourier analysis; special functions of mathematical physics; and chemistry. (Same as CHEM 718.) Prerequisite: Two semesters of junior-senior mathematics. LEC.
PHSX 721 Chaotic Dynamics (3). Topics covered may include the following: dynamical systems, attractors, sensitive dependence on initial conditions, chaos, one-dimensional maps, strange attractors and fractal dimensions, fat fractals, the horseshoe map, symbolic dynamics, linear stability of periodic orbits, stable and unstable manifolds, Lyapunov exponents, topological entropy, quasiperiodicity, strange nonchaotic attractors, nonattracting chaotic sets, fractal basin boundaries, renormalization group analysis, intermittency, crisis and chaotic transients. Prerequisite: Mechanics (PHSX 521, or its equivalent), ordinary differential equations (MATH 320), or its equivalent, and some computer programming knowledge. LEC.
PHSX 722 Geophysical Data Analysis (3). Fourier analysis, sampling theory, prediction and interpolation of geophysical data, filtering theory, correlation techniques, deconvolution. Examples will be chosen from various fields of geophysics. (Same as CHEM 718.) Prerequisite: MATH 250/AE 250/ARCE 250/CE 250/EPHX 250/EPSX 250/EPHX 250/GEOL 572 or either GEOL 572 or GEOL 573 or PHSX 528. LEC.
PHSX 723 Seismology (3). General theory of seismic waves, wave field extrapolation (migration) by finite difference methods, construction of travel-time curves, reflection and attenuation coefficients, earthquake source mechanism, distribution and forecasting of earthquakes. (Same as GEOL 771.) Prerequisite: MATH 250/AE 250/ARCE 250/CE 250/C&PE 250/EPHS 250/EPSX 250/EPHX 250/GEOL 572 or either GEOL 572 or GEOL 573 or PHSX 528. LEC.
PHSX 724 Potential Fields in Geophysics (3). Reduction and interpretation of gravity and magnetic data with emphasis on exploration techniques. Spectral, analytical and modeling methods of analysis of gravity and magnetic anomalies are emphasized. Prerequisite: MATH 250/AE 250/ARCE 250/CE 250/C&PE 250/EPHS 250/EPSX 250/EPHX 250/GEOL 572 or either GEOL 572 or GEOL 573 or PHSX 528 or consent of instructor. LEC.
PHSX 727 Advanced Geophysics: Advanced computer applications. (3). Advanced computer applications to solve physical problems. Prerequisite: PHSX 723. LEC.
PHSX 731 Molecular Biophysics (3). Methods and concepts in contemporary molecular biophysics are discussed. Particular emphasis is placed on the thermodynamics of macromolecular interactions and quantitative methods of data analysis. Basic enzymology and biophysical spectroscopy will also be reviewed. Prerequisite: PHSX 712, MATH 122, and CHEM 188. LEC.
PHSX 741 Nuclear Physics I (3). Experimental methods in nuclear physics, elementary concepts and simple considerations about nuclear forces, alpha and beta decay, gamma radiation, nuclear structure, and reaction systematics. Prerequisite: PHSX 611. LEC.
PHSX 761 Elementary Particles I (3). Particle accelerators and detectors; quarks and leptons; invariance principles and conservation laws; strong, electromagnetic, and weak interactions of elementary particles; unification of electroweak and other interactions. Prerequisite: PHSX 741. LEC.
PHSX 781 Solid State Physics I (3). Classification of solids, structure and symmetry of crystals; lattice vibrations and thermal properties of solids; electric and magnetic properties; electron theory of metals and semiconductors; electronic and atomic transport processes; theory of ionic lattices. Prerequisite: PHSX 611 (or CHEM 648) and PHSX 671 or (CHEM 646). LEC.
PHSX 791 Seminar in Astrophysics (1-3). Seminar designed to cover current topics in the physics of the Universe beyond the solar system. Content will vary. Graduate students engaged in or preparing for research may repeat enrollments in this course. Open to undergraduates with twelve hours of physics/astronomy courses numbered 500 or above, or consent of instructor. LEC.
PHSX 793 Physical Cosmology (3). Discussion of how fundamental laws of physics govern the evolution of the universe as a whole along with its structure. Survey of cosmological notions in the observable universe, including observed structures, cosmic background radiation and evidence for dark matter. Development of the universe, including theories of initial conditions; cosmological phase transitions; generation of a baryon density; radiation; reconstruction, gravitational instability and the formation of structure; current experimental techniques. Prerequisite: PHSX 718. Recommended: PHSX 593. LEC.
PHSX 795 Space Plasma Physics (3). The physics of fully ionized gases in magnetic fields and their application to interplanetary processes, planetary radiation belts, and the sun. The motion of charged particles in magnetic fields, magnetohydrodynamic waves, the solar wind, the ionosphere, and the magnetosphere. (Same as ASTR 795.) Prerequisite: PHSX 621. Corequisite: PHSX 561. LEC.
PHSX 800 Graduate Problems (1-5). Advanced laboratory research projects, problem solving, or library reading projects. Repeated enrollments are permitted. LEC.
PHSX 801 Advanced Topics (1-3). Lectures on advanced material not covered by regular courses. The topics are not limited but generally address recent experimental or theoretical developments in subjects such as superconductivity, nuclear physics, elementary particle physics, quantum field theory, gauge and unified theories, nonlinear or chaotic systems, space plasma physics, and astrophysics and cosmology. Repeated enrollments are permitted. LEC.
PHSX 811 Quantum Mechanics II (3). Time dependent perturbation theory. Gauge invariance and electromagnetic interactions. Quantization of the electromagnetic field and applications. The Dirac equation, its transformation properties and applications to relativistic problems. Scattering theory, elementary applications, and formal properties. Prerequisite: PHSX 711. LEC.
PHSX 815 Computational Methods in Physical Sciences (3). Advanced computer applications in physical science. General discussion and illustration of problem organization and solution by numerical and other methods with examples from physics, astronomy, and other physical sciences. Students will design, write, validate, and document a computer program to solve a physical problem. (Same as ASTR 815 and CHEM 914.) Prerequisite: Six hours of computer science courses numbered 300 or above, and six hours of physics and/or astronomy courses numbered 300 or above. LEC.
PHSX 817 Graduate Seminar (1). First year graduate students meet to survey research opportunities in the department and develop skills in giving oral presentations in physics and related areas. Prerequisite: Only one hour of 817 can count toward required hours for degree. LEC.
PHSX 821 Classical Mechanics (3). Vector and tensor notation; review of Newtonian mechanics; Lagrange vector mechanics; Hamiltonian mechanics; phase spaces; and matrix theory with applications to the theory of small oscillations; rigid bodies; Hamiltonian formalism. Special relativity. Prerequisite: Twelve hours of junior-senior courses in physics. LEC.
PHSX 831 Electrodynamics I (3). Electrostatics and magnetostatics; Maxwell’s equations. Prerequisites: PHSX 781 and MATH 571 or consent of instructor. LEC.
PHSX 841 Nuclear Physics II (3). Nuclear forces and the two-body problem; nuclear models; phenomenological treatment of nuclear reactions and decay processes. Prerequisite: PHSX 741 and PHSX 811. LEC.
PHSX 861 Elementary Particles II (3). Theoretical analysis of the standard model of strong and electroweak interactions. Applications to decay and scattering processes with comparison to experiments. Selected topics in non-perturbative physics. Examples of tests to probe beyond the standard model. Prerequisite: PHSX 761. Corequisite: PHSX 911. LEC.
PHSX 871 Statistical Physics I (3). Review of advanced topics in thermodynamics; the Maxwell relations; the third law; phase transitions. Kinetic theory: the Boltzmann equation; transport phenomena. Statistical mechanics: ideal Maxwell-Boltzmann, Fermi-Dirac and Bose-Einstein gases; ensemble theory; derivation of the laws of thermodynamics. Prerequisite: PHSX 718 and MATH 571. LEC.
PHSX 881 Solid State Physics II (3). More advanced topics in solid state physics that may include: diamagnetism, paramagnetism, ferromagnetism, and antiferromagnetism; electron and nuclear spin magnetic resonance; dielectric properties.

The space physics group has experiments on the Cassini mission to Saturn and Titan, models planetary magnetospheres and their interaction with space plasmas, and explores the physics of gamma ray bursts.

Fifteen KU students have received Truman Scholarships, for outstanding potential for leadership in government, since the award was established in 1978.
and ferroelectricity, photconductive activity and luminescence. Prerequisite: PHSX 631 and PHSX 711 (or CHEM 913). LEC

PHSX 895 Plasma Physics (3). Magnetohydrodynamics, including discussion of shocks, waves, and stability theory; statistical mechanical foundations; kinetic theory; microstability; non-linear phenomena. Prerequisite: PHSX 795. LEC

PHSX 897 Seminar in Plasma and Space Physics (1-3). Graduate students engaged in or preparing for research may repeat enrollments in this course. The content will vary. (Same as ASTR 897.) LEC

PHSX 899 Master’s Research/Thesis (1-10). Research work (either experimental or theoretical) in physics for students working toward the master’s degree. Repeated enrollments are permitted. THE

PHSX 911 Quantum Mechanics III (3). Path integral formulation of quantum mechanics. Introduction to quantum field theory using the canonical approach and using the path integral approach. Application of perturbation theory in quantum electrodynamics. Selected applications in condensed matter, nuclear, and particle physics. Prerequisite: PHSX 811. LEC


PHSX 915 Relativity (3). Reviews of special relativity, manifolds, tensors, and geometry. General coordinate covariance and general relativity. Applications to classical theory of gravitation: weak field tests, isotropic, homogeneous cosmology, Schwarzschild solution. Selected advanced topics. Prerequisite: A total of 10 hours of junior/senior work in physics and mathematics, including at least concurrent enrollment in MATH 646. LEC

PHSX 917 Seminar in Theoretical Physics (1-3). Graduate students engaged in or preparing for research may repeat enrollments in this course. Content will vary. LEC

PHSX 931 Electrodynamics II (3). Inhomogenous Maxwell’s equations and multipole radiation fields; special theory of relativity; radiation from accelerated charges: scattering and dispersion. Prerequisite: PHSX 831. LEC

PHSX 947 Seminar in Nuclear Physics (1-3). Graduate students engaged in or preparing for research may repeat enrollments in this course. The content will vary. LEC

PHSX 967 Seminar in Particle Physics (1-3). Graduate students engaged in or preparing for research may repeat enrollments in this course. The content will vary. LEC

PHSX 971 Advanced Statistical Mechanics (3). Advanced equilibrium statistical mechanics and introduction to nonequilibrium statistical mechanics. Topics include: the theory of liquids, critical phenomena, linear response theory and time correlation functions, Langevin dynamics, and molecular hydrodynamics. (Same as CHEM 917.) Prerequisite: PHSX 871 or CHEM 917. LEC

PHSX 987 Seminar in Solid State Physics (1-3). Graduate students engaged in or preparing for research may repeat enrollments in this course. The content will vary. LEC

PHSX 997 Seminar in Particle Physics (1-3). Graduate students engaged in or preparing for research may repeat enrollments in this course. The content will vary. LEC

PHSX 999 Ph.D. Dissertation Research (1-10). Research work (either experimental or theoretical) in physics for students working toward the Ph.D. degree. Repeated enrollments are permitted. THE

### Physiology and Cell Biology

See Biological Sciences: Molecular Biosciences.

### Polish

See Slavic Languages and Literatures.

### Political Science

Chair: Elaine Sharp, essharp@ku.edu
Blake Hall, 1541 Lilac Lane, Room 521
Lawrence, KS 66045-3129, www2.ku.edu/~kups, (785) 864-9025
Graduate Studies Director: Juliet Kaarbo, kaarbo@ku.edu,
520 Blake Hall, (785) 864-9043

Professors: Cigler, Francisco, Haider-Markel, Heilke, Johnson, Loomis, Rohrschneider, Schrodt, Schumaker, Sharp

Professors Emeriti: Drury, Heller, Nehring, Piekalkiewicz, Tomasek

Associate Professors: Britton, Daley, Herron, Joslyn, Kaarbo, Kennedy, O’Brien, Reich, Yap

Assistant Professors: Berjarano, Doan, Lynch, Omelicheva, Steele

The department offers M.A. and Ph.D. degrees for students interested in academic work in political science leading to teaching and research careers. Political science graduates also have found careers in the public, private, and not-for-profit sectors. Ph.D. students can pursue concentrations in U.S. politics, comparative politics, international relations, political theory, and public policy.

### Admission

Admission to M.A. or Ph.D. programs is based on the applicant’s undergraduate and/or graduate record, standardized test scores, and references from instructors. All applicants must complete a bachelor’s degree. A completed application must include: (1) application, (2) Graduate Record Examination results—verbal, quantitative, and analytical, (3) a one-to two-page statement of goals and research interests, (4) three letters of recommendation, preferably from faculty members, (5) a non-refundable application fee (see Admission in the General Information chapter of this catalog), and (6) one official transcript from each college or university attended. An official transcript is one that is sent directly from the registrar of the applicant’s school to the department. All these materials must be received before the application can be considered.

If the applicant wishes to be considered for regular fall admission and for a graduate teaching assistantship, the application file must be complete by January 10 for the coming academic year. A student who wishes to be considered for fall admission but not for a teaching assistantship should submit the application by April 15 but may do so earlier.

Submit your application online at www.graduate.ku.edu.

Send all other requested application materials to

The University of Kansas
Department of Political Science, Graduate Coordinator
Blake Hall, 1541 Lilac Lane, Room 504
Lawrence, KS 66045-3129

### Fields of Graduate Study

For graduate study, courses in the department are divided into the following fields:
- Political philosophy and empirical theory
- U.S. political institutions and processes
- Comparative politics
- International relations
- Public policy

### M.A. Degree Requirements

All candidates for the M.A. degree must complete, at a satisfactory level, (1) 30 semester hours of graduate credit, 21 of which must be earned in courses at the 700 level or above; (2) research methods through POLS 706; and (3) a comprehensive master’s oral examination. The student selects a principal adviser from the Graduate Faculty by the end of the first year to choose courses and prepare for the comprehensive examination. The examination is administered by a three-person M.A. committee that includes the student’s principal adviser and two other members of the KU Graduate Faculty selected by the student in consultation with the principal adviser. One member of the committee may be from another department (including Ad Hoc and Special members of the Graduate Faculty). Directed readings courses in excess of 5 hours cannot be counted toward the 30 hours required for the degree.

With prior written approval, candidates may count up to 6 graduate credit hours in political science may be admitted with the provision that they complete additional hours of course work.

All candidates must fulfill the requirements of either the thesis or the nonthesis option for the Master of Arts degree.

#### Thesis Option

Upon completion and certification of an acceptable thesis, candidates may count 6 credit hours of thesis enrollment toward the 30 credit hours required for the M.A. degree.

#### Nonthesis Option

Candidates may substitute a minimum of two 800- or 900-level research courses plus satisfactory performance
on a comprehensive written examination administered by the three-person M.A. committee before the oral examination.

**Ph.D. Degree Requirements**

Students who complete the Master of Arts degree may be eligible to pursue the Ph.D. degree.

The Ph.D. program requires work in **two major subfields** and one minor subfield.

The major fields must be drawn from those offered by the division (see above). Before their first attempt at the written preliminary examination in any subfield, all Ph.D. students must complete at least four courses in that field, three of which are at the 700 level or above. Enrollment in directed research covering a particular subfield may be substituted for one of the four courses/seminars.

The minor field may be another of the subfields, a related field from an outside department, or an interdisciplinary program. If the choice is not one of the subfields, the student must obtain written approval of the adviser and the graduate studies director. The courses for the minor field must follow the same structure as outlined above for the major fields. Courses for the minor field may not be applied to another examination field.

Students should consult their major advisers to plan a schedule of course work and seminar preparation in each of these subfields to provide adequate preparation for the written preliminary examination. The student must complete the Foreign Language or Other Research Skills (FLORS) requirement and Ph.D. residence requirement before registering for the preliminary examination. All in-completes in Ph.D. course work must be completed or a waiver must be granted by the graduate studies director.

In addition to the course work requirements and residence, the Ph.D. aspirant must fulfill the FLORS requirement. There are two options for Ph.D. aspirants:

**Option 1: Research Methods.** POLS 706 and POLS 707 plus one research methods course approved by the major adviser and the graduate director.

**Option 2: Research Methods and Foreign Language.** POLS 706 and POLS 707 plus one of the following choices in a language approved by the student’s adviser as well as the graduate director: (1) two semesters of a single foreign language, (2) demonstrated reading knowledge of a foreign language, or (3) native ability. All work must be no more than five years old at the time of certification.

To become a Ph.D. candidate, the student must satisfactorily complete a comprehensive oral examination. No student may attempt the comprehensive oral examination until the two written preliminary examinations have been passed and the requirements of the minor field have been completed.

After passing the comprehensive oral examination, the doctoral candidate must write a dissertation approved by a departmental dissertation committee and pass a final oral defense of the dissertation to qualify for the Ph.D. degree.

### Political Science Courses

- **POLS 501** Contemporary Political Thought (3).
- **POLS 502** History of Political Thought (3).
- **POLS 503** Politics in Literature (3).
- **POLS 504** Millenarian Movements (3).
- **POLS 505** Citizens, States, and Civility (3).
- **POLS 506** Honors Seminar in Political Research (3).
- **POLS 511** The Judicial Process (3).
- **POLS 512** Latino Politics (3).
- **POLS 513** Power in American Communities (3).
- **POLS 515** American Political Parties (3).
- **POLS 516** Public Opinion and American Democracy (3).
- **POLS 520** Political Communication (3).
- **POLS 521** Rhetoric, Politics, and the Mass Media (3).
- **POLS 528** Environmental Justice and Public Policy (3).
- **POLS 553** Comparative Environmental Politics (3).
- **POLS 561** Liberation in Southern Africa (3). NW
- **POLS 562** Women and Politics (3).
- **POLS 563** Comparative Political Economy (3).
- **POLS 564** Elections and Political Parties Around the World (3).
- **POLS 565** Political Change in Asia (3).
- **POLS 600** Contemporary Feminist Political Theory (3).
- **POLS 601** Political Ideologies (3).
- **POLS 602** American Political Ideas (3).
- **POLS 603** Democratic Theory (3).
- **POLS 604** Religion and Political Theory (3).
- **POLS 605** A Study of Political Thought in Antiquity (3).
- **POLS 607** Modern Political Theory (3).
- **POLS 608** Social Choice and Game Theory (3).
- **POLS 609** Topics in Political Theory: ____ (3).
- **POLS 610** Constitutional Law: Governmental Powers (3).
- **POLS 611** Constitutional Law: Civil Liberties (3).
- **POLS 612** Psychology in Politics (3).
- **POLS 613** Comparative U.S. State Politics (3).
- **POLS 614** Urban Politics (3).
- **POLS 615** Campaigns and Elections (3).
- **POLS 616** Interest Group Politics (3).
- **POLS 617** The Congress (3).
- **POLS 618** The Presidency (3).
- **POLS 619** Topics in American Politics: ____ (1-3).
- **POLS 620** Formulation of Public Policy (3).
- **POLS 621** Public Policy Analysis (3).
- **POLS 622** Government and the Economy (3).
- **POLS 623** The Politics of Social Policy (3).
- **POLS 624** Environmental Politics and Policy (3).
- **POLS 625** Extremist Groups and Government Response (3).
- **POLS 626** Introduction to Survey Research (3).
- **POLS 627** Advanced Issues in Survey Research (3).
- **POLS 629** Topics in Public Policy: ____ (1-3).
- **POLS 634** Bureaucratic Politics (3).
- **POLS 640** Politics of Reproductive Policy (3).
- **POLS 645** Corruption, Crisis, and Scandal (3).
- **POLS 650** Palestinians and Israelis (3).
- **POLS 651** Women and Politics in Latin America (3).
- **POLS 652** Politics in Western Europe (3).
- **POLS 653** Gender, War, and Peace (3).
- **POLS 654** Politics and Government of Russia and the Central Eurasian States (3).
- **POLS 655** Politics of East-Central Europe (3).
- **POLS 656** Governments and Politics of East Asia (3). NW
- **POLS 657** Government and Politics of Southeast Asia (3). NW
- **POLS 658** Theories of Politics in Latin America (3).
- **POLS 659** Political Dynamics of Latin America (3).
- **POLS 660** The Politics and Problems of Developing Countries (3). NW
- **POLS 661** Politics of the Middle East (3). NW
- **POLS 663** Protest and Revolution (3).
- **POLS 664** Middle East Politics, Honors (3).
- **POLS 665** Politics in Africa (3). NW
- **POLS 666** Political Economy of East Asia (3).
- **POLS 667** Islam and Politics (3). NW
- **POLS 668** Reform in Contemporary China (3). NW

Political science doctoral graduates have found teaching and professional careers at Oklahoma State University, the University of California–Irvine, the University of Melbourne–Australia, SUNY–Baruch College, National Defense College, and Cleveland State University.

KU’s political science program ranked 29th in the nation among public universities in the 2009 edition of U.S. News & World Report’s “America’s Best Graduate Schools.”
POL 689 Topics in International Relations: ____ (2-3).

POL 701 Political Theory (3). This course is intended to introduce graduate and advanced undergraduate students to the kinds of activities engaged in by political theorists. The course focuses on several approaches to doing political theory, such as interpreting the work of great political philosophers, clarifying political concepts, organizing and integrating political ideas, evaluating political practices, and creating new political perspectives. The course focuses on historical and contemporary treatments of both epistemological issues (the possibility and grounds for political knowledge) and selected substantive issues (e.g., the legitimacy of the state, the merits and limitations of democracy, the requirements of justice, and the nature and importance of ideologies). LEC

POL 703 Social Choice and Game Theory (3). A survey of the political economic approach to their individual and collective choice. The course focuses on models of voting systems and other political institutions as seen from a game theoretic perspective. Prerequisite: Nine hours of political science or admission into the M.A. or Ph.D. LEC

POL 705 Research Design for Political Science (3). Introduction to the discipline of political science, the philosophy of science, research design, and data acquisition. Prerequisite: Graduate standing or consent of instructor. LEC

POL 706 Research Methods I (3). An introduction to quantitative research methods in political science, including probability theory and statistical analysis, as well as background material required for these methods. Computer applications for research and statistical analysis accompany these topics. Prerequisite: Graduate standing, POLS 705, or consent of instructor. LEC

POL 707 Research Methods II (3). This course covers basic techniques for multivariate analysis, focusing on multiple regression. Topics include interpretation of regression statistics, diagnostics for common problems, dummy variables, instrumental variables, basic time series methods including adjustment for autocorrelated error, logistic models, and nonlinear modeling; additional techniques may be covered at the discretion of the instructor. Prerequisite: POLS 706. LEC

POL 708 Advanced Quantitative Research Methods (3). An examination of quantitative research approaches frequently employed within political science. Topics may include cross-national, archival, and documentary research, content analysis, interviewing and focus group techniques, ethnographic fieldwork, narrative and discourse analysis, and others. The course will examine the strengths and limitations of these methods in relation to major research traditions such as cultural realism, institutionalism, rational choice, and constructivism. Prerequisite: POLS 705 and either graduate standing or consent of instructor. LEC

POL 709 Topics in Political Theory: ____ (3). At the discretion of the instructor, this course will select one or more important areas of political theory for in-depth analysis. Prerequisite: Six hours in Political Theory. RSH

POL 711 The Psychological Base of Political Behavior (3). Examination of the relations between psychological mechanisms and social milieu factors and individual political behavior. Particular attention is devoted to understanding the development of politically relevant psychological traits and dispositions, and to the methodology employed in studying the socio-psychological factors which underlie individual political behavior. Prerequisite: Twelve hours of political science and consent of instructor. LEC

POL 712 The Electoral Process (3). A study of the characteristics of voting behavior and the influences upon such behavior in the United States. Emphasis is placed upon relevant research findings concerning partisanship and participation in politics, and on the methodology employed in the study of political behavior. Prerequisite: Twelve hours of political science and consent of instructor. LEC

POL 713 Law and Society (3). A study of the province and function of law in the context of major political, economic, and social factors. The approach of these factors on the law will be illustrated through readings and discussions of selected case histories. Emphasis will be placed upon law as a social phenomenon rather than upon the law as an end in itself. Prerequisite: Twelve hours of political science and permission of instructor for undergraduates. LEC

POL 716 Political Behavior (3). A seminar for students interested in understanding the public opinion, voting, and other forms of political participation. This course will include an examination of the formation, measurement of political attitudes as well as an examination of protest and other forms of extra-legal participation. Prerequisite: Graduate standing or consent of instructor. LEC

POL 719 Topics in the American Political Institutions: ____ (3). A seminar to be offered as occasion demands, dealing with, but not limited to special topics in the presidency, congress, and judicial processes. Prerequisite: Graduate standing or consent of instructor. LEC

POL 720 The Scope of Public Policy (3). Introductory graduate course in the examination of public policy making. Considers institutions, basic theoretical frameworks, and standard methods, and places policy-making within a broad political context. Emphasizes American political traditions and relevant comparative material is employed. Prerequisite: Twelve hours of political science. LEC

POL 722 Intergovernmental Relations (3). A survey of characteristic legal, political, and administrative relationships among different units of American government, with particular emphasis upon the role of state agencies. Prerequisite: Nine hours of political science. LEC

POL 726 Public Policy in Comparative Perspective (3). This seminar examines the application of policy theory in regional and comparative contexts. Much of the research examined focuses on comparative public policy, but select weeks focus on specific regions of the world. Goals of the seminar are to develop an understanding of how theories of policy may be best suited for universal application. LEC

POL 754 Politics and Government of Russia and the Central Eurasian States (3). The collapse of the Soviet system and the problems of transforming a centralized planned authoritarian state into a free market democracy. The roles of ethnic and national tensions, economic decay, and cultural factors. Prerequisite: Eight hours in the social sciences and/or history, including POLS 150, or consent of instructor. LEC

POL 758 Revolutionary Politics of Latin America (3). Primarily a comparative and historical introduction to the Mexican, Bolivarian, and Chilean political revolution. An examination of the work of great political philosophers, clarifying political concepts, organizing and integrating political ideas, evaluating political practices, and creating new political perspectives. The course focuses on historical and contemporary treatments of both epistemological issues (the possibility and grounds for political knowledge) and selected substantive issues (e.g., the legitimacy of the state, the merits and limitations of democracy, the requirements of justice, and the nature and importance of ideologies). LEC

POL 774 International Law (3). Study of topics in international law, relating these closely to the dynamics of international relations. Special emphasis will be given to regulating force, resolving disputes, the law of the sea, human rights, and emerging problem areas such as the environment, outer space, the oceanic seabed, and geospace. Prerequisite: Six hours in political systems, POLS 701, and one or more courses in the social sciences and modern history. LEC

POL 789 Topics in International Relations: ____ (2-3). A study of selected problems in international relations. Prerequisite: Consent of instructor. RSH

POL 810 American Politics (3). A survey and critical analysis of different theoretical developments and research focusing on national institutions, electoral behavior, and policy-making processes. Emphasis is given to conceptualizing and analyzing the changing nature of the American political system. LEC

POL 812 Political Psychology (3). A critical examination of the principal areas in current literature in political psychology, including psychological perspectives on mass political behavior, elite decision making, and international relations. Attention will be given to articulating and evaluating theories, constructing research questions and programs, and comparing methodologies. LEC

POL 820 Policy Framing and Adoption (3). Survey of the literature on the institutional, socioeconomic, and political forces influencing the formulation and adoption of public policy, as well as policy change, at all levels of government. Topics include problem definition, agenda setting, and the methods of decision-making. This is a research seminar so students will be required to conduct an original research project. LEC

POL 821 Policy Implementation and Analysis (3). An overview of the policy implementation process and the analysis of public policy. The course covers a variety of theories and methods related to the study of the implementation process, policy evaluation, policy implementation, and political processes. Particular attention is given to the role of government institutions, values, and conditions in other Latin American countries. Prerequisite: POLS 150 or a course in the social sciences or history. LEC

POL 824 Public Policy and Administration (3). An exploration of the ways in which public policy is made in the United States, focusing on the role of the administrator at each stage of the policy process: formulation, implementation, and evaluation. Various theories of policy-making and their applications to specific areas of public policy will be examined. LEC

POL 825 Public Policy and Urban Administration (3). An examination of policy development, implementation, and evaluation in the local government context. Various theories of the policy process and their application to municipal government are examined. (Same as PUAD 825.) LEC

POL 830 Advanced Research Methods for Public Policy (3). Research seminar organized around advanced quantitative and qualitative methods skills for research on American and comparative politics and public policy. The course will combine advanced statistical estimation procedures (e.g., hazard analysis, event history analysis, hierarchical “contextual effects” models) with methods for the collection and integration of data. This course is intended for advanced graduate students in the fields of American politics, comparative politics, and public policy. The course is open to Ph.D. students from other departments who have completed a course in intermediate regression analysis. Prerequisite: POLS 707 or similar graduate level course. LEC

POL 849 Law, Courts, and Public Policy (3). This course provides an overview of the role of law, litigation, and courts in the public policy process, with an emphasis on bureaucratic institutions. The course covers the main theories and empirical research on the policy effects of litigation and intervention, with a particular focus on civil rights in the areas of employment, prison, and health care. Prerequisite: Six hours in political science or admission into the M.A. or Ph.D. (Same as PUAD 849.) Prerequisite: Graduate standing or consent of instructor. LEC

POL 850 Introduction to Comparative Politics (3). This course provides a graduate level introduction to the field of Comparative Politics. Among topics it will cover the historical development of the field, the major founding concerns of the field; methodological and epistemological debates; competing paradigms which had characterized Comparative Politics (structural-functionalism, culturalists, state-centrists, institutionalists, rational choice, and other); theory building and the role of area studies. LEC
in building empirically-based political theory. Examples of the application of the various approaches will focus upon the American political process. LEC

POLS 915 American Political Parties (3). A survey of the theories and research findings dealing with political parties in American politics, including third and minor parties. Topics to be covered include the development and evolution of the party system, the nature of the organized party system, and the role of parties in the electoral process, the impact of parties upon public policy, and party reform. LEC

POLS 916 Group Politics (3). The focus of this course is upon the theories and research findings dealing with political groups in American politics, including formal and informal groups, movements, and interest groups. Students will be required to include group mobilization and maintenance, group involvement in the political party and electoral processes, methods and strengths of group influence, and the impact of political groups on the policy process. LEC

POLS 917 The Presidency (3), An advanced research seminar for students interested in theoretical and empirical approaches to the American presidency. This seminar will examine the powers and organizations of the White House through a study of the literature. LEC

POLS 919 Topics in U.S. Government and Politics (1-3). A seminar to be offered as occasion demands, focusing on, but not limited to, federalism, legislative politics, federalism, and special problems in U.S. politics. LEC

POLS 920 Policy Analysis Research Seminar (3). Research seminar designed to apply public policy theory and policy analysis methods to evaluate the impact of public policies. Students will develop and present an original research project with the intention of presenting the work at a professional conference or publishing the work in a professional journal. LEC

POLS 921 Public Law (3). This seminar is designed to initiate the advanced graduate student in research in judicial behavior. The seminar will include time series analysis, classification algorithms, computer programming and applications. This course considers the relationship between economic development and democracy; capitalist development and democracy; the political economy of dual transitions; the political economy of privatization; and structural adjustment and liberal welfare states; comparative labor-government relations. Prerequisite: POLS 890. LEC

POLS 935 Comparative Social Politics (3). This course provides a survey of some major research traditions and current debates in the subfield of comparative political sociology. This includes theories of politics such as the historical approach, the rational choice theories of politics as they are applied to decisions by individuals and political systems; comparative politics; state-society relation; and religion and politics. Prerequisite: POLS 850. LEC

POLS 940 Teaching Political Science (1). A discussion of teaching methods and approaches. Students are expected to develop a personal teaching portfolio that describes their outlook on teaching political science and provides sample teaching materials. This course must be taken by all graduate teaching assistants and assistant instructors during the first year of their appointment. Grades are issued on a pass/fail basis. LEC

POLS 950 Research Seminar in International Studies (2-3). A seminar to be of interest to students with a research experience focusing on international relations and comparative politics. The course will address the design and reform of electoral systems, institutional rules and the strategic environment they create for political actors, the role of institutional and social factors in the development of political party systems, and the role of election administration. Students will develop and present original research papers related to these topics. Prerequisite: POLS 850. LEC

POLS 954 Politics in Post-Soviet States (3). In-depth study of the politics of Russia, Ukraine, the Baltic states, and the other Post-Soviet States. Focus on the problems of transforming the formerly planned authoritarian systems into more or less democratic. LEC

POLS 955 Politics of Advanced Industrial Societies (3). Theory and research on the patterns of behavior that characterize the politics of North America, Europe, and developed regions of Asia. Topics include corporatism and alternative forms of interest intermediation, economic theories of socialization and electoral choice and the role of the state; its finances, adaptation, and the problem of power and legitimacy. Prerequisite: POLS 850 or permission of instructor. LEC

POLS 956 The Governments and Politics of Asia (2-3). A research seminar on selected topics and issues in the governments and politics of selected Asian countries. The particular focus each year will depend upon the instructor. LEC

POLS 959 Topics in Comparative Politics: (3). Study of selected topics in comparative government and politics. LEC

POLS 960 Politics of Developing Countries (2-3). LEC

POLS 961 The Politics of Culturally Plural Societies (3). This is an advanced graduate seminar exploring the comparative study of political systems in sub-cul- tural cleavages, including ethnicity, language, religion and race. The course will first survey and critique competing theoretical explanations for different patterns of con- flict or peaceful cohabitation among such groups. Students will then examine the utility of these theories in individual in-depth research papers which will be presented in class and critiqued by seminar participants. LEC

POLS 970 Foreign Policy Analysis (3). Designed to acquaint students with the principal theories, approaches and types of empirical analysis generally employed to ex- plain the behavior of states and other international political actors. Topics include rational actor models, collective and bureaucratic processes, societal influences, cog- nitive and psychological factors, and comparative foreign policy. Prerequisite: POLS 850. LEC

POLS 972 Theories of International Conflict (3). An in-depth survey of theories and research on international conflict. Topics will range from anthropological studies of con-
lict in primitive societies to contemporary theories of nuclear conflict. The course will also cover current empirical research methodology and results of research on international conflict, as well as models of conflict processes. Prerequisite: POLS 870. LEC

POLS 973 International Political Economy (3). Provides an eclectic survey of major developments in the field. Topics include the intellectual origins of IPE, the historical evolution of the international system; North-South and Western trade, investment, and monetary relations; foreign aid, debt technology transfer, development, international economic institutions (e.g., IMF, IBRD, MNCs, etc.). (Same as SOC 973.) Prerequisite: POLS 870 or consent of instructor. LEC

POLS 974 International Mediation and Conflict Resolution (3). The course examines the theory and practice of international mediation and other forms of third party intervention used to resolve interstate and nonstate disputes. Topics include explanations of mediation success and failure, conditions of conflict escalation where mediation is likely to be counterproductive or resisted by recalcitrant disputants, the ethics of intervention, citizen diplomacy, and the role of international organizations such as the United Nations. Prerequisite: POLS 870. LEC

POLS 977 Ethics in International Relations Theory (3). This course examines how issues of International Ethics have been treated in International Relations theory. This course begins by reviewing several theoretical perspectives of International Relations and how these perspectives have historically understood the role ethics plays in international politics. By the end of the semester, students should have a firm understanding of (1) the salient issues of international ethics in world politics and (2) whether and how IR scholars have (theoretically and methodologically) placed those issues in their research paradigms. The issue areas the course will cover include, but are not limited to, human rights doctrines, issues of economic and political justice, just war theory (jus ad bellum) and just conduct of war (jus in bello), and humanitarian intervention. The course will assess the role international law has played in stemming and/or punishing human rights abuses. Students will review several historical cases of genocide, as well as several cases of truth and reconciliation commissions. LEC

POLS 978 Advanced Topics in International Relations Theory (3). Intensive examination of key theoretical debates in international relations. Topics covered will include Classical Realism and Liberalism, Neorealist/Neoliberal debate, and post-structural critiques of mainstream international relations theory. Prerequisite: POLS 870. LEC

POLS 979 Topics in International Relations: ______ (3). To be offered periodically when topics of special interest arise. LEC

POLS 980 International Organizations (3). Considers theoretical and empirical work on international governmental and non-governmental organizations (IOs). Specifically highlights the evolving scholarly debates regarding the function, design, and delegation of authority to IOs as well as their behavior and change. Explores these questions in depth through a wide range of cases, including comprehensive coverage of the United Nations, Bretton Woods Institutions, and the European Union, and their activities in issue areas concerning international security, trade, finance, development, humanitarian aid, and the environment. LEC

POLS 981 Global Development (3). Considers the nature and problems of development and underdevelopment from a cross-regional and inter-disciplinary perspective. Deals with the historical origins of the enormous disparities in wealth that exist today, both between and within countries. Consider the explanations for those differences, prescriptions for how to narrow them, and specific cases (both successes and failures) from various regions of the globe. LEC

POLS 993 Directed Readings (1-5). Designed to meet the needs of graduate students whose study in political science cannot be met with present course. Prerequisite: Consent of instructor. RHS

POLS 995 Directed Research (2). Designed for advanced graduate students who are concurrently enrolled or who will be enrolled in a subsequent semester in one of the Research Seminars in American Government or International Studies. Students enrolling in this course should have the prior approval of the faculty member with whom they wish to conduct the research. RHS

POLS 997 Preparation for the Comprehensive Examination (1-6). An independent reading course for students preparing to take the Ph.D. comprehensive examination. May be taken for two semesters or six credits, whichever comes first. Graded on a satisfactory/unsatisfactory basis depending on the results of the comprehensive examination. RHS

POLS 999 Doctoral Dissertation (1-15). Enrollment for writing doctoral dissertations. THE

International students in political science are eligible for the Harry S. Truman Good Neighbor Award. The award is given every year to two students interested in conflict resolution at the international level.

KU’s psychology doctoral program ranked 22nd in the nation among public universities in the 2009 edition of U.S. News & World Report’s “America’s Best Graduate Schools.”

Psychology

Acting Chair: Ruth Ann Atchley

Fraser Hall, 1415 Jayhawk Blvd., Room 426
Lawrence, KS 66045-7540, www.psych.ku.edu, (785) 864-4131

Professors: Bernstein, Biernat, Branscombe, Colombo, Crandall, Denney, Higgins, Holmes, Ingram, Juola, Kemper, Little, McCluskey-Fawcett, Muehlenhard, Roberts, Simpson, Steinmetz, Vernberg

Professors Emeriti: Batson, Baumgartel, Brehm, Crockett, Cromwell, Gallant, Hallenbeck, Kellas, Neuringer, Rosenfeld, Shontz, Wrightsman

Associate Professors: Adams, P. Atchley, R. Atchley, Greenhout, Hawley, Hamilton, Ildardi, Jackson, Karpowitz, Schreiber, Steele, Vitevitch

Assistant Professors: Biggs, Deboeck, Gillath, Johnson, Landau, Malina, Preacher, Pressman, Wu

Director of the KU Psychological Clinic: Kirk

The department offers a single doctoral degree in psychology, which may be earned in social, cognitive, quantitative, developmental, or clinical psychology. Students enter with the expectation of earning the Ph.D. The department does not admit students seeking the terminal master’s degree. The department cooperates with related departments in joint Ph.D. programs in clinical child psychology, developmental and child psychology, and child language.

Admission

Students may write to the department for application materials or download program information and application materials from our Web site. Applicants must have earned either the bachelor’s degree or the master’s degree. Although most applicants have majored in psychology as undergraduates, this is not required. It is necessary, however, to have earned 15 credit hours in psychology, including a first course in statistics and a course in experimental psychology or psychological research methods. Admission is competitive. The Graduate Record Examination is required. The GRE subject test is preferred but not required. Prior research and relevant work experience, honors, awards, and other achievements are taken into account. The deadline for completed applications is December 1 for the following fall semester.

Submit your application online at www.graduate.ku.edu. Send all other requested application materials to

The University of Kansas
Department of Psychology, Graduate Officer
Fraser Hall, 1415 Jayhawk Blvd., Room 426
Lawrence, KS 66045-7540

M.A. Degree Requirements

Within two years of first enrollment in the Ph.D. program, the student must earn at least 30 graduate credit hours, no more than 6 of which may be in courses offered by other departments. The student must complete an acceptable thesis based on an empirical study and pass an oral examination. The oral examination may cover the thesis as well as more general material. Courses required for the M.A. degree are determined in

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consultation with faculty of the program in which the student is enrolled as part of the process of development of an individualized program. No more than 6 thesis hours may be applied to the 30 hours required for the M.A.

**Ph.D. Degree Requirements**

Although graduate education is offered through separate programs, each student prepares an individualized plan of study in consultation with faculty members. These plans indicate how the student proposes to fulfill the requirements for the M.A. and Ph.D. degrees, including all general requirements and conditions.

**Social Psychology.** The program is an intensive research training experience seeking students who are committed to empirical, scholarly work. The major research interests of faculty members are stereotyping, prejudice, and intergroup relations, person perception, close relationships, social competence and aggression, emotion and motivation, culture and psychology, and self and identity.

In addition to course work, the central requirement of the program is continuous involvement in research. Research opportunities range from laboratory experimentation to field research. Depending on backgrounds and goals, students may move from one research setting to another or concentrate on a particular type of research throughout their training.

**Requirements:** Students are guided by individually tailored plans called contracts. These describe sequences of learning experiences developed by the student and a three-member faculty committee. Beginning students are urged to enroll in basic courses in theory and research in social psychology and statistics. The contract specifies students’ long-range goals, specialties, other fields of psychology or related disciplines in which they will become proficient, plans for meeting the research skills requirement, proposed sequence of course work, research and teaching experiences they hope to obtain, plans for the M.A. proposal, comprehensive requirements and dissertation landmarks, and an approximate timetable. Contract details can be changed by agreement of the student and faculty committee.

The contract is a general framework that permits students’ graduate work to be adapted to their interests and abilities and provides a standard against which progress can be assessed. Students’ contracts must specify how the Foreign Language or Other Research Skills requirement is to be met (typically by taking six graduate statistics and research design classes) and must comply with other departmental and general rules including residence and time limits.

**Cognitive Psychology.** The program seeks students with the intellectual potential, motivation, and quantitative aptitude to engage in productive scholarship in a basic or applied area of interest.

Interdisciplinary training is also available in:

- Cognitive neuroscience
- Developmental science
- Aging and cognition
- Child language
- Quantitative methods

The training program emphasizes the development of a broad-based foundation in theory, research methods, technical skills, and quantitative analysis for application in a variety of basic and applied research settings. Areas of focus of current faculty members include memory, cognitive development, language, perception, attention, aging, and cognition.

Recent graduates have found employment in academic programs, research organizations, and applied research units in industry and government. The rate of employment for graduates is very high. General program requirements are listed below. Applicants are encouraged to consult the department’s Web site for details.

The admission process includes evaluation of submitted materials and may include additional interviews by individual faculty members, as appropriate. The program follows a mentorship model; students are admitted to work with specific faculty members rather than to the program at large. During the application process, applicants are encouraged to contact faculty members with whom they are interested in working.

**General Program Requirements**

- Research activity (continuous)
- Course requirements (before oral comprehensive examinations)
- Master’s thesis and oral defense (year two or three)
- Written preliminary examination (year three or four)
- Foreign Language or Other Research Skills (FLORS) requirement (year three or four)
- Comprehensive oral examination (year four or five)
- Dissertation and oral defense (year five or six)

**Course Requirements.**

- Statistics/Methods Core (12 hours by the end of the third year)
- PSYC 791 Statistical Methods in Psychology I
- PSYC 982 Issues in Scientific Conduct
- PSYC 983 Methodology

- Content Core (9 hours by the end of the second year)
- PSYC 723 Advanced Cognitive Psychology
- PSYC 737 Topics in Psycholinguistics
- PSYC 757 Theories of Perception
- PSYC 831 Advanced Human Learning and Memory

- Breadth/Depth (12 hours before oral comprehensives)
  - Breadth I and II
  - Depth I and II

- Breadth/depth courses may come from a number of sources, depending on student interests and adviser suggestions. Students are expected to use this requirement to gain additional specialization in two areas in addition to cognitive psychology. Examples include Quantitative (courses in psychology and PRE), Language (courses in linguistics or speech-language-hearing), Neuroscience (courses in psychology, biology, or pharmacology), Philosophy, or Computer Science. These courses also can be used to help meet FLORS requirements with breadth goals set out by the adviser.

- Seminar (continuous enrollment)
- PSYC 902 Proseminar in Experimental Psychology

**Quantitative Psychology (www.quant.ku.edu).** The program provides a unique doctoral training experience. Graduate students are trained as quantitative specialists who can interface quantitative methods with substantive issues across the behavioral and social sciences. Students develop a substantial background in quantitative methods. Some students pursue more depth in quantitative content areas, and some pursue complementary expertise in a nonquantitative content area (e.g., clinical, cognitive, developmental, health, social). The exact nature of a student’s nonquantitative focus depends on the interests and goals of the student and the faculty mentor. Current methodological interests include psychometric methods, item response theory, structural equation modeling, multivariate statistics, multilevel mod-
eling, nonparametric statistics, and other topics in quantitative methods as applied in the behavioral and social sciences.

Recent graduates are employed in academic programs, basic research units in academic and organizational settings, applied research, and freelance consultation. Nearly all graduates proceed directly to full-time employment. About half the positions are academic. Nearly all individuals graduate from a department's graduate programs. Quantitative specialists have substantial technical expertise that provides an advantage in the job market. They often earn higher starting salaries and have access to additional income-enhancing activities such as grants and departmental consulting.

The program requires a total of 50 nontechnical hours (15 courses). Requirements are as follows:

Quantitative Training
Quantitative Foundations (8 hours). Quantitative foundations include two semesters of basic psychological statistics, offered yearly: PSYC 790 Statistical Methods in Psychology I PSYC 791 Quantitative Statistical Methods in Psychology II
Area-specific Methodology (One course, 3 hours minimum).
PSYC 815, PSYC 816, PSYC 818, PSYC 819.
Quantitative Core (Six courses, 23 hours minimum). The quantitative core is a more intense series of courses in fundamental quantitative areas, currently including PSYC 887 Factor Analysis PSYC 879 Applied Nonparametric Statistical Methods PSYC 892 Test Theory PSYC 893 Multivariate Analysis PSYC 894 Multilevel Modeling PSYC 895 Categorical Data Analysis PSYC 896 Structural Equation Modeling I
Quantitative Concentration (Three courses, 9 hours minimum). The quantitative concentration focuses on a range of specialized applications, currently including PSYC 990 Methods for Clustering and Classification PSYC 991 Longitudinal Data Analysis PSYC 993 Seminar in Advanced Quantitative Topics PSYC 996 Structural Equation Modeling II
Advanced courses offered in other departments or schools also may be taken with the director's consent.
PSYC 987 Proseminar in Quantitative Behavioral and Social Sciences (Six semesters, 1 hour per semester, 6 hours minimum). The quantitative proseminar is an ongoing discussion series covering advanced topics and emerging issues.
Courses will be added to these offerings. In addition, students complete at least one semester of a Research Methodology course. Methodology courses associated with the different substantive foci are available.

Minor Concentration (Three courses, 9 hours minimum, e.g., Cognitive Psychology, Developmental Psychology, Health Psychology, Social Psychology, Education, Mathematical Statistics). The minor concentration is fulfilled by taking three or more courses in a specialized area, education (e.g., testing, evaluation), mathematical statistics, or a tailored curriculum that meets the goals and objectives of the student (e.g., business).

General Requirements
• M.A. thesis (1-9 hours plus public defense, typically completed by the end of the second year of training, three-person committee).
• Comprehensive written and oral examinations (review paper, dissertation proposal, elaborate report to written examination plus public defense, typically completed by the end of the second year or early in the fourth year of training, five-person committee with one outside member).
• Foreign Language or Other Research Skills (FLORS) requirement (typically met by demonstrating competence in one or more computational languages enabling specialized study in quantitative methods). Proficiency is determined by a review of the student’s body of work by the program director and the student’s dissertation adviser at the completion of the written comprehensive examination.
• Dissertation (1-12 hours plus public defense, five-person committee with one outside member).

Additional Graduate Experiences. Quantitative psychology students have opportunities for experience in teaching, statistical consulting, and data analysis through employment in various settings. Students also are expected to participate and assist with our regular summer training institutes on advanced quantitative techniques (www.quant.ku.edu/StatsCamps/overview.html). Opportunities may include teaching undergraduate statistics in psychology, research workshops in quantitative projects, assisting in research at an institute such as the Institute for Life Span Studies, or working in the Research Design and Analysis unit. Students have access to quantitative workshops. The department offers courses regularly by the department. Workshops are conducted by national leaders in quantitative methods. Special resources for attending national workshops and conventions are also available. Workshops are conducted by national leaders in quantitative methods. Special resources for attending national workshops and conventions are also available.

Quantitative Minor. A minor in quantitative psychology is offered for graduate students in any of the department's major programs and for select programs in the College of Liberal Arts and Sciences (e.g., sociology). The quantitative minor is an add-on to the regular program and does not replace any existing or future requirements of the student's major program. Students desiring a major emphasis in quantitative psychology could apply directly to the quantitative psychology program.

The minor consists of advanced course work in statistics, measurement, and methodology. The quantitative minor provides the student with elevated levels of quantitative expertise to enhance the overall quality of the research program. It gives students a competitive edge in the job market. Many faculty positions now require expertise in both a specialized area and quantitative methods. Advanced quantitative skills also offer students additional job opportunities. The quantitative minor provides the additional credentials needed to pursue these jobs. Students majoring in quantitative psychology are required to complete six courses in quantitative methods. The sequence prerequisite for all core courses (i.e., PSYC 790). The classes normally are taken in the department but can come from other departments with approval. Currently available courses include Categorical Methods, Nonparametric Statistics, Multivariate Methods, Multilevel Modeling I, Structural Equation Modeling I and II, Test Theory, Factor Analysis, Clustering and Classification, and regularly offered Advanced Topics in Quantitative Psychology seminars with varying topics.

For more information, contact Todd D. Little, yhat@ku.edu.

Developmental Psychology. Training in developmental psychology is interdisciplinary and collaborative. The developmental emphasis profits significantly from affiliated faculty in other academic units such as Speech-Language-Hearing: Sciences and Disorders, the School of Education, and doctoral programs in Clinical Child Psychology, Child Language, Gerontology, and Neurosciences. The developmental emphasis is substantively linked to the Schiefelbusch Institute for Life Span Studies, the Kansas Intellectual and Developmental Disabilities Research Center, and the Center for Biobehavioral Neurosciences in Communication Disorders. Many of the developmental psychology faculty have affiliations with more than one entity on campus. This breadth offers students multidisciplinary exposure and experiences that train them to conduct cutting-edge research on developmental phenomena across the life span.

The program includes a number of concentrations, including cognitive, social, evolutionary, language, and quantitative. Students work with a faculty mentor to customize a concentration that suits the needs of the student and the expertise of the available faculty. The program is appropriate for students who wish to be trained in the traditional divisions of psychology (e.g., cognitive-developmental, social-developmental, quantitative-developmental) as well as those whose interests may not fall squarely within traditional divisions.

Curriculum. The curriculum involves 35 hours of formal developmental courses in addition to master's, Foreign Language or Other Research Skills (FLORS), and dissertation research hours. Students are expected to enroll in a biweekly Proseminar on Developmental Science (6 semesters minimum). The program allows students to pursue their developmental research interests and accumulate academic credentials that give access to the job market of their choice. Formal course requirements are as follows:

Statistics, Design, and Professional Issues (14 hours)
PSYC 790 Statistical Methods in Psychology I (4 hours)
PSYC 791 Quantitative Statistical Methods in Psychology II (4 hours)
PSYC 815 Design and Analysis for Developmental Research PSYC 992 Issues in Scientific Conduct
Core Developmental Courses (12 hours)
PSYC 691 The Psychology of Aging PSYC 870 Cognitive Development PSYC 825 Social Development
PSYC 923 History and Systems of Developmental Psychology: Developmental Theory
Concentration (9 hours, minimum). The concentration builds expertise in an area chosen by the student in conjunction with the faculty advisor. Courses offered outside the department may count toward the concentration. The concentration can be either very focused or a uniquely tailored hybrid of courses. Some examples of concentrations that students may create are listed below. Many related courses may be substituted for the same general theme of the concentration and students can create a concentration that fits with their interests and educational objectives. Possible concentrations include

General Cognitive Development
PSYC 723 Advanced Cognitive Psychology
PSYC 800 Experimental Psychology: Cognition and Aging
PSYC 872 Attention, Perception, and Learning in Infancy
Social-personality Development
PSYC 777 Social Psychology: Theory, Research, and Clinical Applications
PSYC 670 Theories of Personality
PSYC 962 Advanced Personality
Quantitative Developmental Methods
PSYC 896 Structural Equation Modeling I
PSYC 896 Structural Equation Modeling II
PSYC 893 Multivariate Analysis

Note: Such a concentration also lends itself to completing a graduate minor in quantitative psychology and satisfying the FLORS requirements.

Developmental Evolutionary Psychology
PSYC 993 Seminar: Developmental Evolutionary Psychology
BIOL 625 Behavioral Ecology and Sociobiology
BIOL 668 Evolutionary Ecology
Developmental Cognitive Neuroscience
PSYC 725 Cognitive Neuroscience
PSY 800 Experimental Psychology: Neuroscience Methods
PSYC 800 Experimental Psychology: Developmental Cognitive Neuroscience Language Development
PSYC 735 Psycholinguistics
PSYC 903 Seminar: Research Methods in Language Development
SPLH 816 Language Development
Developmental FLORS (8 hours minimum). The FLORS requirement generally is satisfied by taking two additional quantitative courses (4 hours each). Satisfying the FLORS requirement in this way also lends itself to the completion of a graduate minor in quantitative psychology (4 courses are required for the minor).

For more information, contact Andrea Greenhoot, agreenhoot@ku.edu, or Patricia Hawley, phawley@ku.edu.

Clinical Psychology. The program educates students about content issues that define a minimum knowledge base and processes of learning and problem-solving. All students take basic course work and practice in academic/research and clinical application. Students may take electives or practica to augment either aspect of training. About half the graduates pursue academic/research-oriented careers, and the rest undertake careers emphasizing applied activities (e.g., psychotherapy in community mental health centers or hospitals). Information is available from the graduate admission secretary or online at www.psych.ku.edu/clinprog.

Health and Rehabilitation Specialty. Work centers on the psychosocial and biomedical aspects of physical health, illness, and disability. Students apply the knowledge and techniques to problems of prevention, assessment, treatment, and rehabilitation. A detailed overview is available from the graduate admission secretary or online at www.psych.ku.edu/clinprog.

Requirements. Individual plans of study are designed to meet the standards established by state licensing boards and professional organizations. Individualization is achieved by selecting among alternate ways of meeting specific requirements and by selected electives or choosing the health and rehabilitation emphasis. The plan of study constitutes an agreement between the student and the entire clinical faculty. Program requirements:

General Core Requirements for Clinical Psychology (12-14 hours)
Quantitative Analysis of Behavior
PSYC 790 Statistical Methods in Psychology I or PRE 811 Analysis of Variance
PSYC 791 Statistical Methods in Psychology II or PRE 810 Regression Analysis
Cognitive Bases of Behavior. One course from the following:
PSYC 723 Advanced Cognitive Psychology
PSYC 725 Cognitive Neuroscience
PSYC 800 Experimental Psychology: Cognition and Memory
PSYC 800 Experimental Psychology: Developmental Cognitive Neuroscience
PSYC 800 Experimental Psychology: Memory, Emotion, and Development
PSYC 851 Advanced Human Learning and Memory
PSYC 870 Cognitive Development
PRE 807 Theories and Research in Human Learning
Social Bases of Behavior. One course from the following:
PSYC 774 Advanced Social Psychology I
PSYC 775 Advanced Social Psychology II (Current Issues)
PSYC 825 Social Development

Clinical Requirements (48 hours). Eight content courses:
PSYC 888 Diversity Issues in Clinical Psychology or PRE 875 Cross Cultural Counseling
PSYC 898 Proseminar: Professional Issues in Clinical and Health Psychology
PSYC 946 Theories and Methods of Psychotherapy
PSYC 960 Advanced Psychopathology
PSYC 961 Biological Foundations of Psychopathology
PSYC 968 Research Methods in Clinical Psychology
PSYC 975 Professional and Ethical Problems in Clinical Psychology or PRE 900 Legal, Ethical, and Professional Issues in Professional Psychology

Note: Because this is an American Psychological Association-approved clinical program, the faculty expect all students to operate within the APA Code of Ethics in professional and personal behavior. Adherence to the ethical principles is part of the normal evaluation of students during the degree program. Seven Courses Covering Practicum Course Work (21 hours)
PSYC 850 Assessment I: Foundations of Psychological Assessment
PSYC 855 Assessment II: Integrative Psychological Assessment
PSYC 964 Clinical Practicum I
PSYC 965 Clinical Practicum II
PSYC 966 Clinical Practicum III
PSYC 969 Clinical Practicum IV or PSYC 835 Clinical Practicum IV: Health
PSYC 970 Clinical Practicum V or PSYC 836 Clinical Practicum V: Health Research Skill Proficiency. This requirement normally is met by completing all of the following with a grade of B or higher in each: PSYC 790 Statistical Methods in Psychology I or PRE 811 Analysis of Variance, PSYC 791 Statistical Methods in Psychology II or PRE 810 Regression Analysis, PSYC 794 Clinical Practicum IV, and PSYC 968 Research Methods in Clinical Psychology. Because these courses are required elsewhere in the curriculum, they do not represent additional required hours.
Thesis and Dissertation (18 hours). The student must complete a master’s thesis based on an empirical study (minimum of 6 hours) and an empirical doctoral dissertation (minimum of 12 hours) and defend each in separate oral examinations. The thesis should be completed by the end of the second year and written in a form suitable for journal submission.
Electives/Independent Study (minimum of 9 credit hours). Because a minimum of 84 hours of graduate credit is required for the degree, the hours not included in the requirements above may be elective courses selected by the student and his or her adviser.
Examinations: Task. Each student must propose and demonstrate competence in oral and written examinations. This task typically is done in the third year. It may be in applied clinical, research/methodology, or program evaluation. A complete description is available from the clinic office or online at www.psych.ku.edu/clinprog.

Upon completion of all degree requirements except the dissertation and internship, the student must pass the oral comprehensive examination. This examination addresses a proposal for the dissertation as well as related, general questions in the field. It should be taken before completion of four calendar years for students entering with the B.A. and three years for students entering with the M.A. The faculty believes that the student is best served by completing the entire dissertation before the internship.
Internship (3 hours). Students must complete a 12-month predoctoral internship at a setting approved by the clinical psychology faculty. Clinical students may complete their internships at any setting approved by the American Psychological Association.

Psychology Courses
PSYC 500 Intermediate Statistics in Psychological Research (3).
PSYC 502 Human Sexuality (3).
PSYC 510 Infant Behavior and Development (3).
PSYC 511 Laboratory Research in Infant Behavior (3).
PSYC 518 Human Memory (3).
PSYC 520 Memory and Eyewitness Testimony in Children (3).
PSYC 531 Language Development (3).
PSYC 535 Developmental Psychopathology (3).
PSYC 536 The Psychology of Language (3).
PSYC 545 Culture and Psychology (3).
PSYC 550 Psychology of Reading (3).
PSYC 555 Evolutionary Psychology (3).
PSYC 565 Applied Developmental Psychology (3).
PSYC 566 Psychology and the Law (3).
PSYC 570 Group Dynamics (3).
PSYC 572 Psychology and International Conflict (3).
PSYC 575 Psychology of HIV/AIDS (3).
PSYC 578 Social Attitudes (3).
PSYC 581 Psychology of Religion (3).
PSYC 590 Nonverbal Communication (3).
PSYC 592 Psychological Significance of Physical Illness and Disability (3).
PSYC 598 Positive Psychology (3).
PSYC 602 Basis and Nature of Individuality (3).
PSYC 604 Psychological Tests (3).
PSYC 605 Health Psychology (3).

KU’s doctoral program in clinical psychology is ranked 18th in the nation, according to U.S. News & World Report’s “America’s Best Graduate Schools” rankings for 2009.

KU’s program in clinical child psychology is ranked 13th in the nation, according to U.S. News & World Report’s “America’s Best Graduate Schools” rankings for 2009.
PSYC 606 Sex Role Development (3).
PSYC 610 Advanced Personality (3).
PSYC 613 History and Systems in Psychology (3).
PSYC 614 Basic Processes of Visual Perception (3).
PSYC 616 Foundations of Learning (3).
PSYC 618 Experimental Psychology: Human Learning (6).
PSYC 620 Experimental Psychology: Sensation, Perception, and Cognition (6).
PSYC 622 Experimental Psychology: Social Behavior (6).
PSYC 624 Experimental Psychology: Clinical Psychology (6).
PSYC 625 Experimental Psychology: Methods in Neuropsychology and Psychophysiology (6).
PSYC 626 Psychology of Adolescence (3).
PSYC 630 Clinical Psychology (3).
PSYC 632 Advanced Child Behavior and Development (3).
PSYC 642 The Psychology of Families (3).
PSYC 646 Mental Health and Aging (3).
PSYC 650 Statistical Methods in Behavioral and Social Science Research I (4).
PSYC 651 Statistical Methods in Behavioral and Social Science Research II (4).
PSYC 652 Behavior Therapy (3).
PSYC 660 Values and Caring (3).
PSYC 662 Industrial and Organizational Psychology (3).
PSYC 668 Fundamentals of Projective Analytic Psychology (3).
PSYC 670 Theories of Personality (3).
PSYC 678 Drugs and Behavior (3).
PSYC 679 Applied Nonparametric Statistical Methods (4).
PSYC 685 Human Factors Psychology (3).
PSYC 687 Factor Analysis (4).
PSYC 689 Conceptual Issues in Human Sexuality (3).
PSYC 690 Seminar: ________________ (1-5).
PSYC 691 The Psychology of Aging (3).
PSYC 692 Test Theory (4).
PSYC 693 Multivariate Analysis (4).
PSYC 694 Multilevel Modeling I (4).
PSYC 695 Categorical Data Analysis (4).
PSYC 696 Structural Equation Modeling I (4).
PSYC 704 Research Practicum in Clinical Child Psychology (3). This course provides students in the Clinical Child Psychology Program with the opportunity to enhance and consolidate their research activities by fulfilling one of the elective cluster course requirements. This practicum involves a contract with a research adviser and the program director. The contract includes definable products and dates for completion to prepare research for submission for publication, develop a grant proposal, or conduct additional research project independent of other requirements in the program. The course is not to be taken as an overload, but is to be part of a full-time course schedule. May be repeated. (Same as ABSC 704, formerly HDFL 704.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. LEC
PSYC 706 Special Topics in Clinical Child Psychology: ________________ (3). A course offering detailed discussion of the literature and research methods of a special topic within clinical child and pediatric psychology. Topic and instructor may change by semester and will be announced in the Schedule of Classes. May be repeated. (Same as ABSC 706, formerly HDFL 706.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. LEC
PSYC 710 Feminist Issues in Psychology (3). Detailed examination and discussion of psychological theory and research from a feminist perspective. Specific topics will vary. The goal of the course is to facilitate students’ ability to develop feminist critiques of existing research and theory as well as to generate nonsexist alternative approaches. Open to advanced undergraduates with consent of instructor. Prerequisite: Some familiarity with research methods in the social sciences. LEC
PSYC 723 Advanced Cognitive Psychology (3). Advanced cognitive psychology reviewing theories of pattern recognition, attention, working memory, language comprehension and problem solving. Emphasis will be placed upon the application of these theories to real-life situations. Prerequisite: PSYC 104 and six additional credit hours in psychology, or permission of the instructor. LEC
PSYC 725 Cognitive Neuroscience (3). A survey of the critical issues within cognitive and behavioral neuroscience. The course will provide information about neural physiology, functional neuroanatomy, and psychophysiological research methods. Human cognition and the neurophysiology that subserves the primary cognitive functions will be discussed. LEC
PSYC 735 Psycholinguistics (3). A detailed examination of issues in the processing of language. The course will provide a survey of research and theory in psycholinguistics, reflecting the influence of linguistic theory and experimental psychology. Spoken and written language comprehension and language production processing will be examined. (Same asLING 735.) LEC
PSYC 737 Topics in Psycholinguistics (3). An in-depth examination of selected topics in psycholinguistics. Topics include spoken language processing, written language processing, neurolinguistics, prosody, and syntactic processing. (Same asLING 737.) Prerequisite: PSYC 735/LING 735 or consent of instructor. LEC
PSYC 750 Advanced Seminar in Gender Identity and Sexual Orientation (3). Design and execution of research on the causes and consequences of variations in gender identity, sexual orientation or affectional preference, sex roles, and sex-linked behaviors. Prerequisite: Consent of instructor. LEC
PSYC 757 Theories of Perception (3). A consideration of the facts and theories of human perception. The emphasis will be on vision, although all five senses and other senses will also be discussed. Of particular concern is the question of perceptual modifiability and the response of the human observer to unusual sensory environments. Prerequisite: PSYC 104, LEC
PSYC 766 Forensic Psychology (3). Applications of psychological concepts and research findings to the courtroom and judicial process. Topics covered include dispute resolution, jury selection, expert witnesses, determination of competency, and criminal profiling. LEC
PSYC 774 Advanced Social Psychology I (3). First semester of a two-semester course. Designed to provide a thorough background in social psychology and to motivate a continuing exploration of theoretical problems and issues in the field. Combines examination of historical development of theories and methods in social psychology with an in-depth study of contemporary topics. LEC
PSYC 775 Advanced Social Psychology II (3). A continuation of PSYC 774. LEC
PSYC 777 Social Psychology: Theory, Research, and Clinical Applications (3). Basic theories in social psychology, as well as their applications to the process of coping with life events. The focus is on the nature of each theory, including the history and more recent developments; however, where clinical applications have been made of a particular theory, these will be discussed. LEC
PSYC 779 Physiological Aspects of Health and Disease (3). Provides an overview of the physiological manifestations of health and disease for the graduate student interested in health and psychology. Content areas include overview of general anatomy and physiology of each body system, description of how deviations from normal anatomical development and physiological function result in common disorders, methods for distinguishing psychological from organic etiologies, indicators of effects of medications for common disorders, and description of roles of key members of the health care team. Prerequisite: Graduate students in psychology, nursing, and health-related fields, or by permission of instructor. LEC
PSYC 782 Research Methods in Child Language (3). A survey of methods for studying phonological, morphological, syntactic, and semantic change during language development. Methods include: diary interpretation, language sample analysis, probe elicitation tasks, and clinical assessment. (Same asLING 782.) Prerequisite: PSYC 735 or equivalent or consent of instructor. LEC
PSYC 784 ProsSeminar in Communication and Aging (1). A weekly forum for students and faculty to discuss professional issues and interdisciplinary research in communication and aging. May be repeated for credit. (Same as COMS 784.) (Same as SFLH 784.) Prerequisite: Consent of instructor. LEC
PSYC 787 Gerontology ProsSeminar (3). A proseninar coordinated by the Gerontology Center. The proseninar explores essential areas of gerontology for researchers and practitioners, providing a multidisciplinary (psychology, biology, sociology, and communication) perspective on aging. The proseninar surveys contemporary basic and applied research, service programs, and policy and management issues in gerontology. (Same asABSC 787, AMS 767, COMS 787, and SOC 787.) (Formerly HDFL 787.) Prerequisite: Consent of instructor. LEC
PSYC 790 Statistical Methods in Psychology I (4). Elementary distribution theory; t-test; simple regression and correlation; multiple regression and multiple correlation; curvilinear regression; logistic regression; general linear model. Applications across the behavioral and social sciences are emphasized. Course consists of three hours of lecture and a one-hour laboratory where computations are taught. Prerequisite: A beginning course in statistics and graduate standing; or consent of instructor. LEC
PSYC 791 Statistical Methods in Psychology II (4). Continuation of PSYC 790. One-way analysis of variance; linear trends, contrasts, post hoc tests; multi-way analysis of variance for crossed, blocked, nested, and incomplete designs; analysis of covariance; repeated measures analysis of variance; general linear model. Applications across the social, educational, and behavior sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 or equivalent, or consent of instructor. LEC
PSYC 792 Computer Analysis of Psychological Data (3). Application of computers in the analysis of data from descriptive and experimental investigations. Emphasis is placed on the use of integrated statistical packages such as SPSS and BMDP. Prerequisite: An intermediate course in statistics. LEC
PSYC 795 Computing and Psychology (3). Introduction to the use of personal computers to facilitate and standardize administration of research protocols and to automate data collection. Lectures and projects emphasize direct application to research in the behavioral sciences. Prerequisite: Graduate standing in the Department of Psychology and consent of instructor. LEC
PSYC 796 Computer Models of Brain and Behavior (3). An introduction to the techniques of computer modeling and computer simulation. Emphasis is on the use of computer models to examine the relationships between brain and behavior mechanisms. Early and contemporary efforts to simulate the neuron, neural networks, and neural processes which regulate behavior, are reviewed. Application of modeling techniques in sample multiple brain-behavior problem areas are used to illustrate the operations of feedback, dynamical equilibrium, redundancy, and competition in neural network structure, and similar constructs. Programming skill in a high-level language available on personal computers or mainframe is required. Prerequisite: EECS 126 or PSYC 784 or PSYC 795, or equivalent courses or experience. LEC
PSYC 797 Advanced Programming Techniques for Psychological Research (3). An advanced course in programming IBM compatible desktop computers using the
language “C Plus Plus.” Applications to psychological research will include artificial neural networks, model validation, real-time stimulus-response management. Familiarity with a high-level structured programming language such as Pascal or “C,” and with the DOS operating system on desktop computers will be helpful. Prerequisite: Previous course work beyond the introductory level in programming and the media. (Formerly PSYC 880.) (Same as ABSC 825.) Prerequisite: A course in child psychology or development. LEC

PSYC 831 Advanced Human Learning and Memory (3). An in-depth analysis of human learning and memory. Focus will be on experimental methodology in these areas. LEC

PSYC 832 Clinical Health Psychology I: Health Promotion and Disease Prevention (3). An overview of the field of health psychology as applied to health promotion and disease prevention. Special emphasis will be given to the health psychology of individuals and families within a medical setting, as well as multidisciplinary consultation. Inpatient and outpatient clinical health psychology rotations may include pediatrics, oncology, pain management, and other health psychology related fields. Emphasis will be on the selection and training in psychological interventions; strategies for the use of empirically supported treatments. Prerequisite: Graduate student in psychology or health-related fields, or by permission of instructor. LEC

PSYC 833 Clinical Health Psychology II: Acute and Chronic Illness (3). An overview of the field of health psychology as applied to acute and chronic illness in adult, adolescent, and child populations. Content areas include psychological aspects of acute and chronic illness, including relevant empirically supported assessment and intervention strategies, adherence to medical regimens, pain, and enhancement of the psychologist’s role in medical settings. Prerequisite: Graduate student in psychology or health-related fields, or by permission of instructor. LEC

PSYC 834 Clinical Health Psychology III: Physical Aspects of Health and Disease (3). An overview of physical manifestations of health and disease. Content areas include overview of anatomy and physiology of each body system, description of how deviations from normal anatomical development and physiological function result in disease and disease prevention. Special emphasis will be placed on medical and health-related fields. Special emphasis will be placed on medical and health-related fields. LEC

PSYC 836 Clinical Practicum V: Health (3). Continued of PSYC 835. Prerequisite: Graduate student in clinical health psychology specialty. FLD

PSYC 838 Pain and Its Management (3). Focuses on biological, cognitive/affective, and social causes and effects of pain. Emphasis on basic research methods in pain, origins of pain, and how the experience of pain alters many aspects of the individual’s life. Topics include anatomy and physiology of pain, impact of pain on a variety of aspects of individuals’ lives, treatments for pain, and the role of various health care professionals in treating pain. Discussions also include basic research methods in pain, tools for assessing pain, barriers to adequate pain management, and ethical/legal/public policy issues in working with pain patients. Prerequisite: Graduate student in psychology or health-related fields, or by permission of instructor. LEC

PSYC 839 Palliative Care in Health Psychology (3). Based on the biopsychosocial model, this course focuses on the current practice of palliative care in communities and health care facilities. Class will be discussion based, centered on current issues and controversies in care of the chronically ill and dying. Current research will be used to illuminate how these individuals die. Students will be expected to identify applicable literature for presentation and class discussion, along with assigned readings. Prerequisite: Graduate student in psychology or health-related fields, or by permission of instructor. LEC

PSYC 840 Psychology of Women’s Health (3). A seminar on the examination of psychosocial and behavioral factors in women’s health. Content areas include women and the health care system, social roles and health, gender differences, and similarities in morbidity and mortality, gynecological, chronic diseases, and health-related behaviors. Prerequisite: Graduate student in psychology or health-related field, or by permission of instructor. LEC

PSYC 841 Stress and Coping (3). Theories and research on conceptualization, assessment, and effects of stress. Focus on coping processes and other determinants of adjustment to stressful conditions. Discussion of psychological interventions for managing stress and trauma. Prerequisite: Graduate student in psychology or related fields. LEC

PSYC 842 Specialized Health Psychology Practicum (1-3). Specialized advanced practicum in clinical health psychology for students who have demonstrated sufficient competence as determined by student and instructor. Prerequisite: Consent of instructor. FLD

PSYC 843 Behavioral Pharmacology (3). Addresses psychological and behavioral effects of drugs, including psychotropic medications. A central theme is that effects of drugs, frequently cannot be characterized solely from a pharmacological perspective. Thus, emphasis will be given on examining the interplay between pharmacological and behavioral variables. For example, how do psychological factors moderate responses to drugs? The nature of this area assumes some knowledge of general pharmacology, research methods, basic science, and the nervous system. Specific course structure will be modified to suit student interests. Prerequisite: Graduate student in psychology or health-related fields, or by permission of instructor. FLD

PSYC 845 Impression Formation and Interpersonal Behavior (3). Intensive investigations of the processes involved in impression formation and of the effects of established impressions upon interpersonal communications. (Same as COMS 835.) Graded on a satisfactory/fail basis. Prerequisite: PSYC 670 or COMS 555. LEC

PSYC 850 Experimental Psychology: Principles and Methods (3). An advanced survey of theory and research in a selected area of experimental psychology. Continual enrollment for four semesters is required of entering graduate students in experimental psychology. Open to other students with graduate standing in psychology or a closely related field. May be repeated with permission. LECC

PSYC 852 Social-Psychological Aspects of Health, Disability, and Associated Life Stress (3). Disabling myths; perception of causes and effects of disease and disability; attitudes and interpersonal relations; hoping, coping, and reality issues; values; professional-client relations; public media and societal rehabilitation. A departure from the traditional focus on the psychological aspects of disability. LEC

PSYC 859 History of Psychology (3). A historical survey of basic concepts and theories in psychology with emphasis on their relationship to contemporary problems in theory. LEC

PSYC 860 Professional Issues: Clinical Child Psychology (1). Consideration of special problems confronting the child and family oriented scientist-practitioner, and in the development of a professional identity. Topics include critical issues including ethical, legal, cultural, empirical, and clinical aspects of research and practice. May be repeated. (Same as ABSC 809, formerly HDFL 809.) Prerequisite: Graduate standing in clinical child psychology. LEC

PSYC 861 Achievement and Intellectual Assessment in Clinical Child Psychology (3). Course covers the basic theory, research, administration, and reporting of psychological assessment and development, intelligence, and achievement for children, adolescents, and adults within cultural and developmental contexts. The range of psychological instruments examined includes, for example, WIAT, K-ABC, WJ, T- B, WISC, WAIS, and WPPSI. (Same as ABSC 811.) Prerequisite: Graduate student in clinical child psychology. LEC

PSYC 862 Behavioral and Personality Assessment of Children (3). Lecture, laboratory, field work, and supervision appointment. Theory and applications in the psychological evaluation of children with standardized assessment techniques. The administration, scoring, interpretation, and reporting of behavioral and personality functioning in children. (Same as ABSC 812, formerly HDFL 812.) Prereq- uisite: Graduate standing in clinical child psychology. LEC

PSYC 874 Advanced Child and Family Assessment (3). Lecture, laboratory, field work, and supervision appointment. Supervised research in assessment approaches for children and families. Emphasis on interviewing, observation, psychometric scales, and consultation. Rationale, administration, analysis, and reporting of mental health functioning of children and families. Experience with clinical populations and empirical data. (Same as ABSC 874.) Prerequisite: Graduate student in clinical child psychology. LEC

PSYC 875 Design and Analysis for Neuromaging Research (3). Course covers research design and analysis issues for event-related potential (ERP) and functional magnetic resonance imaging (fMRI) studies. Repeated measures, statistical parametric mapping, principal components analysis, and independent components analysis techniques are covered. Both practical and theoretical aspects of these statistical techniques will be explored in Matlab environment. Matrix algebra is required but not required. Prerequisite: PSYC 790 and 791 or equivalent are required. LEC

PSYC 880 Social-Psychological Aspects of Health, Disability, and Associated Life Stress (3). Disabling myths; perception of causes and effects of disease and disability; attitudes and interpersonal relations; hoping, coping, and reality issues; values; professional-client relations; public media and societal rehabilitation. A departure from the traditional focus on the psychological aspects of disability. LEC

PSYC 887 Behavioral and Personality Assessment (3). A survey of the basic empirical research in the field of child development, covering intelligence, cognition, perception, attention, personality, social behavior, and socialization processes. These literatures are integrated and their implications for social application are addressed. (Same as ABSC 820, formerly HDFL 820.) Prerequisite: A course in child development or equivalent. LEC

PSYC 889 Field and Evaluation Research Methods in Social Psychology (3). Systematic discussion of the techniques of research in social psychology, with practice in the utilization of selected methods. Prerequisite: One course in social psychology in addition to introductory social psychology. LEC

PSYC 890 Advanced Field Research in Social Psychology (3). Basic principles and research methods advanced research in social psychology and related fields, relationships between field and laboratory studies, special emphasis on survey and evaluation research methods and study designs; client and respondent relationships, research and public policy. LEC

PSYC 891 Field Research Methods in Social Psychology (3). A survey of the basic empirical research in the field of child development, covering intelligence, cognition, perception, attention, personality, social behavior, and socialization processes. These literatures are integrated and their implications for social application are addressed. (Same as ABSC 820, formerly HDFL 820.) Prerequisite: A course in child development or equivalent. LEC

PSYC 892 Social Development (3). A lecture and discussion course in social development. It includes such topics as theoretical approaches to the study of social de-
PSYC 846 Practicum in Clinical Child Psychology (1-3). Lecture, laboratory, field work, and supervision appointment. Psychological evaluation and treatment of children and their families; supervised, progressive experience in psychological interventions in clinical child psychology. (Same as ABSC 846, formerly HDFL 846.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. FLD

PSYC 847 Practicum in Clinical Child Psychology (1-3). A continuation of ABSC 846/PSYC 846. (Same as ABSC 847, formerly HDFL 847.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. FLD

PSYC 850 Assessment I: Foundations of Psychological Assessment (3). Introduction to the history, methods and theory underlying psychological assessment techniques and methods. Students learn to administer, score, and interpret mental status exams and intelligence tests for children, adolescents and adults. Structured diagnostic assessments are introduced and practiced. Psychological report writing is introduced and practiced. The psychometric theory underlying the construction and validation of personality assessment instruments is reviewed. Prerequisite: Graduate student in clinical psychology or consent of instructor. FLD

PSYC 853 Advanced Acoustical and Psychological Aspects of Musical Behavior (3). Study and experimental investigation of acoustic, psychoacoustic, and psychological phenomena as they influence music. Attention will be given to physical parameters; perception of pitch, loudness, and timbre; magnitude estimation; theories of consonance; experimental aesthetics; and measurement and prediction of musical ability. Each student will be expected to complete an experiment or quasi-experiment related to human musical behavior. (Same as MGMT 953.) Prerequisite: PSYC 453 or equivalent; or consent of instructor. LEC

PSYC 855 Assessment II: Integrative Psychological Assessment (3). Lecture, laboratory and supervision. Students learn to administer and interpret various personality assessment instruments. Students apply skills acquired in previous course work to write integrated psychological assessment reports based on anamnesis, structured interview data, intelligence tests, and both objective and projective personality assessment instruments. Prerequisite: PSYC 850 or equivalent; and instructor permission. FLD

PSYC 863 Clinical Neuropsychology Across the Life Span (3). Reviews neural development and the brain-behavior relationships in intact, injured, and diseased brain systems. Details basic issues in clinical assessment and reporting of cognitive impairment resulting from developmental disorders, stroke, traumatic brain injury, and brain-disease. Selected topics include perception, speech, memory/dementia, judgment, and attention. Prerequisite: PSYC 961 or Consent of Instructor. LEC

PSYC 864 Clinical Neuropsychology (3). Brain-behavior relationships in humans; structure and function of the brain; evaluation of function; the interpretation of neuropsychological data. Lecture and laboratory. LEC

PSYC 865 Advanced Psychological Assessment: Interview-Based Techniques (3). Lecture and fieldwork. Advanced clinical interviewing. Structured diagnostic interviewing. Coverage of specialized areas of clinical interviewing (e.g., motivational interviewing). Report writing focused on documentation of clinical and structured interviewing. Prerequisite: PSYC 855 or consent of instructor. FLD

PSYC 870 Cognitive Development (3). A lecture/discussion course in cognitive development. The course will contrast the theory and research of Jean Piaget and his followers, with an information processing framework. Attention will be given to physical parameters; perception of pitch, loudness, and timbre; magnitude estimation; theories of consonance; experimental aesthetics; and measurement and prediction of musical ability. Each student will be expected to complete an experiment or quasi-experiment related to human musical behavior. (Same as MGMT 953.) Prerequisite: PSYC 453 or equivalent; or consent of instructor. LEC

PSYC 872 Attention, Perception, and Learning in Infancy (3). Coverage of the basic literatures on these topics, with emphasis on research during the first three years of life, as assessed by measures of attention, perception, learning, and memory. Course material is approached from an information-processing framework. LEC

PSYC 875 Advanced Assessment: Integration of Assessment Techniques (3). Lecture and fieldwork on selection, administration, scoring and interpretation and integration of data from personality and abilities tests. Focus on assessments includes history, theory and application in psychological assessment batteries. Emphasis on advanced training in objective personality assessment, projective personality assessment, psychometric theory and integrated report writing. Prerequisite: PSYC 855 or consent of instructor. FLD

PSYC 879 Applied Nonparametric Statistical Methods (4). This course covers nonparametric statistical methods for testing hypotheses when the assumptions of ordinary parametric statistics are not met. Topics include a review of parametric statistics, sampling distributions, the logic of hypothesis testing, and motivations for using nonparametric techniques. In-depth coverage will be given to distribution-free procedures, significancetesting, contingency tables, median tests, chi-square and others, goodness-of-fit tests, rank correlations, randomness tests, Monte Carlo methods, resampling methods, tests of independence, 1-sample, 2-sample, and k-sample methods, permutation tests, and function smoothing and splines. There will be an emphasis on the theory underlying nonparametric methods. Applications across the behavioral and social sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 and 791 or equivalent, or consent of instructor. LEC

PSYC 881 Proseminar in Quantitative Behavioral and Social Sciences (1). This course is an open forum discussion of issues, topics, and presentations in quantitative behavioral and social sciences. The course can be repeated for credit and is open to any graduate student in any discipline across the behavioral and social sciences. SEM

PSYC 882 Theory and Method for Research of Human Environments (3). Conceptual and technical methods for analysis of behavioral environments; theory and research utilization of behavior settings and other ecobehavioral units. Prerequisites: Nine hours of social science including at least one course dealing with research methods and consent of instructor. LEC

PSYC 885 Altruism and Helping Behavior (3). Review of contemporary research of prosocial behavior. Topics to be covered include the existence of altruism, why people do and do not help others, and the effect of institutional roles on the behavior of service professionals such as therapists, counselors, and social workers. LEC

PSYC 886 Item Response Theory (4). This course covers the basic concepts and methods of item response models. Topics include the theory underlying IRT models and their general properties. Also covered are methods for checking model assumptions and interpreting IRT estimates. The course uses examples from the social and behavioral sciences to demonstrate how IRT methods can be used to inform and refine survey development, to assess measurement equivalence, link survey scores, and build item banks for short forms or computer-adaptive testing (CAT). Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 or equivalent, or consent of instructor. LEC

PSYC 887 Factor Analysis (4). This course covers the theory behind, and application of, exploratory factor analysis. Topics include a review of multiple linear regression and matrix algebra. In-depth coverage is devoted to diagrams, model specification, goodness of fit, model selection, parameter estimation, rotation methods, scale development, and sample size and power issues. Extensions to confirmatory theory are cultivated. Both the theory underlying factor analytic techniques and hands-on application using software are emphasized. Applications across the social and behavioral sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 or equivalent, or consent of instructor. LEC

PSYC 888 Diversity Issues in Clinical Psychology (3). Review of individual differences pertaining to culture, ethnicity, race, gender, sexual orientation, age, etc., as these have an impact upon theory, research, assessment, and treatment issues in clinical psychology. (Same as ABSC 888.) Prerequisite: Graduate status in clinical psychology, or instructor permission.

PSYC 891 Intelligence and Cognition (3). This course concerns the nature of intelligence. Theory and research on cognitive abilities, reasoning, and complex problem solving are surveyed. Special emphasis is given to contemporary cognitive ability research that applies both experimental and correlational methods to understand the nature of intelligence. LEC

PSYC 892 Test Theory (4). This course takes a unified approach (from classical and modern test theory) to the topic of measurement in the behavioral and social sciences. Content covered includes the construction and administration of psychological and other individual difference tests, reliability and validity of intelligence, achievement, and personality; practice in test construction, administration, and validation; and how to assess the reliability and generalizability of an instrument. Applications across the social and behavioral sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 or equivalent, or consent of instructor. LEC

PSYC 893 Multivariate Analysis (4). Introduction to the central methods used in the analysis of multivariate data. Includes linear transformations, multivariate analysis of variance, multivariate multiple regression, discriminant analysis, canonical correlation, factor analysis, and an introduction to methods for clustering and classification. Applications across the behavior and social sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 or equivalent, or consent of instructor. LEC

PSYC 894 Multilevel Modeling (4). Statistical methods for modeling multilevel (hierarchically structured) data. Topics include a review of ordinary least squares regression analysis, random effects ANOVA, intraclass correlation, multilevel regression, testing and probing interactions, maximum likelihood estimation, model assumptions, model evaluation, and the analysis of longitudinal data. There will be a heavy emphasis on the theory underlying multilevel modeling techniques and hands-on application using software. Applications across the social, educational, and behavior sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 and 791 or equivalent, or consent of instructor. LEC

The Department of Psychology offers programs in social, cognitive, quantitative, developmental, and clinical psychology.
PSYC 895 Categorical Data Analysis (3). Multivariate analyses of count data. Error models, statistical inference, loglinear models, log models, logistic regression. Homogeneity, symmetry, and selected other topics. Applications across the behavioral and social sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 or equivalent, or consent of instructor. LEC

PSYC 896 Structural Equation Modeling I (4). Introduction to statistical methods for modeling latent variables. Topics include a review latent variables, covariance structures analysis, mean structures analysis, confirmatory factor analysis (CFA), structural equation modeling (SEM), multiple indicators, single indicators, confirmatory CFA, longitudinal SEM, Hierarchical CFA, and Multi-trait Multi-Method SEM. Applications across the behavioral and social sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 or equivalent, or consent of instructor. LEC

PSYC 897 Master's Thesis in Clinical Child Psychology (1-10). Supervised research experience completing thesis leading to master’s degree. (Same as ABSC 897.) RSH

PSYC 898 Proseminar: Professional Issues in Clinical and Health Psychology (3). Discussion of current theoretical, empirical, and applied issues in clinical and clinical health psychology involving students, faculty, guest speakers. Prerequisite: Graduate student in clinical psychology. RSH

PSYC 899 Thesis (1-10). THE

PSYC 902 Proseminar in Experimental Psychology (1). Seminar in experimental psychology to be conducted in rotation by the experimental psychologists on the staff and a monthly visiting experimental psychologist. LEC

PSYC 905 Psychopathology in Children (3). Diagnosis and treatment of psychological problems in childhood and adolescence. (Same as ABSC 905.) Preference given to top graduate students. Clinic in clinical psychology, school psychology, and counseling psychology. Prerequisite: Fifteen hours of graduate credit in psychology or consent of instructor. LEC

PSYC 921 Seminar in Early Development (3). A seminar devoted to factors affecting early human development with some attention to theoretical formulations and the relevant animal literature. LEC

PSYC 923 History and Systems of Developmental Psychology: Developmental Theory (3). An intensive study of traditional and recent developmental theories with an emphasis upon the role of heredity, early stimulation, reinforcement, and modification as each affects the course of the development of children. LEC

PSYC 927 Seminar in Psychobiology (3). A detailed study of a specific research area dealing with the biological foundations of behavior. Each week articles will be assigned from the journal literature. LEC

PSYC 930 Research Seminar on Intimate Relationships (3). Consideration of current psychological theory and research on adult intimate relationships: friendship, dating, committed relationships, dissolution of committed relationships. Students will be expected to be involved in on-going empirical research in the area. Prerequisite: Course level courses in research design and statistics. LEC

PSYC 933 Seminar: The Measurement of Attitudes (3). An examination of the concept of attitude and the methods developed to assess the various aspects of attitudes. Prerequisite: PSYC 578 or consent of instructor. LEC

PSYC 935 Seminar in Group Dynamics (3). Intensive examination of selected problems in the functioning of small groups. May be taken for two semesters. LEC

PSYC 936 Group Therapeutic Techniques (3). LEC

PSYC 943 Advanced Practicum in Clinical Child Psychology III (1-3). Lecture, laboratory, field work, and supervision appointment. Advanced psychological interviewing techniques for children, youth, and families; supervised progressive experience in application of behavioral and psychotherapeutic methods to behavioral and emotional problems. (Same as ABSC 943, formerly HDFL 943.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. FLD

PSYC 944 Advanced Practicum in Clinical Child Psychology IV (1-3). A continuation of ABSC 943 and PSYC 943. (Same as ABSC 944, formerly HDFL 944.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. FLD

PSYC 946 Theories and Methods of Psychotherapy (3). Comparative examination and analysis of major theories and approaches to psychotherapeutic interventions, core principles of therapeutic change, scientific approaches to establishing treatment efficacy, current intervention issues. Prerequisite: Nine hours in graduate clinical psychology or consent of instructor. LEC

PSYC 947 Advanced Practicum in Clinical Child Psychology V (1-3). A continuation of ABSC 943, formerly HDFL 943 and PSYC 943. May be taken in more than one semester. (Same as ABSC 947.) Prerequisite: Graduate standing in clinical child psychology and instructor permission. FLD

PSYC 949 Empirically Supported Treatment (3). This course provides an overview of theoretical and applied issues germane to the contemporary empirically supported treatments movement in clinical psychology. The course will include an in-depth examination of several psychotherapy protocols, e.g., cognitive therapy for depression which have been identified as “empirically supported” with considerable attention given to implementation of the characteristic techniques of such interventions. LEC

PSYC 950 Clinical Supervision and Consultation: Theory and Research (1). Lecture, readings, and discussion of theory and research related to the practices of clinical supervision and consultation. Developmental and competency based approaches to supervision with exposure to other approaches. Professional issues, ethics, and multicultural aspects of supervision and consultation. Prerequisite: PSYC 790 or equivalent. LEC

PSYC 951 Clinical Supervision Practicum (1). Fieldwork in supervision under direction of instructor. Practice in supervision of clinical work, assessment, psychotherapy, and documentation. Prerequisite: Previous or concurrent enrollment in PSYC 943 and PSYC 949, or consent of instructor. FLD

PSYC 955 Close Relationships and Adult Attachment: Theory, Research, and Current Controversies (3). Review of attachment theory literature and the research it has generated in clinical developmental, personality, and social psychology. The course will allow discussion of a wide range of issues including the evolution of behavioral systems that underlie close human relationships, the developmental roots of relational styles and affect-regulation processes, the role of mental representations in interpersonal behavior, and some of the attachment and close relationship processes involved in good and poor mental health. Prerequisite: graduate standing or consent of instructor. LEC

PSYC 956 Social Neuroscience (3). Acquaint students with the Social Neuroscience approach as well as recent findings using this approach. The course will focus on phenomena (a) related to social and emotional functions of the brain and (b) provide an understanding of brain mechanisms for social behavior. Students will analyze brain imaging studies, animal behavioral studies, and human behavioral studies using the Social Neuroscience approach to study social behavior. Prerequisite: Graduate student status in clinical psychology, clinical child psychology, or counseling psychology. LEC

PSYC 961 Biological Foundations of Psychopathology (3). A review of fundamental topics in the neurosciences and their relevance to selected psychopathological disorders. The fundamental topics are taken from genetics, neuroanatomy, neurophysiology, and neurochemistry. The disorders include schizophrenia, depression, anxiety disorders, Alzheimer’s disease, Parkinson’s disease, and Huntington’s disease. Prerequisite: Graduate student in clinical psychology or consent of instructor. LEC

PSYC 962 Advanced Psychopathology (3). Review of current nosology of adult psychopathological syndromes emphasizing development of diagnostic skills. Critical survey of recent research and theory related to the etiology, course, prognosis, and treatment of adult psychopathological conditions. Prerequisite: Graduate student status in clinical psychology, clinical child psychology, or counseling psychology. LEC

PSYC 965 Clinical Practicum II (3). A continuation of PSYC 964. Grading on Satisfactory/Fail basis. Prerequisite: PSYC 964 or permission of instructor. FLD

PSYC 966 Clinical Practicum III (3). A continuation of PSYC 964. Grading on Satisfactory/Fail basis. Prerequisite: PSYC 964 or permission of instructor. FLD

PSYC 967 Psychotherapy with Families (3). Clinical approaches to marriage and family therapy. Intensive consideration of the theoretical positions, research findings, clinical methods, and technical problems in marriage and family therapy. Prerequisite: PSYC 946. LEC

PSYC 968 Research Methods in Clinical Psychology (3). Systematic consideration of research methods in clinical psychology including identification of a research
problem, selection of the research design and assessment strategies, and methods of evaluating these: PSMs. The principles, pitfalls, artifacts, biases, and sources of controversy in research in this area are also covered. Prerequisite: Graduate standing in clinical or counseling psychology. LEC

PSYC 969 Clinical Practicum IV (3). Lecture, laboratory, field work, and supervision approach to psychological treatment of the individual, couple, family, and group client; supervised, progressive experience in the clinical application of psychotherapeutic treatment methods with emphasis on the use of empirically supported interventions where possible. Grading on Satisfactory/Fail basis. Prerequisite: PSYC 960 or consent of instructor. FLD

PSYC 970 Clinical Practicum V (3). A continuation of PSYC 969. Grading on Satisfactory/Fail basis. Prerequisite: PSYC 969 or consent of instructor. FLD

PSYC 974 Clinical Psychology Internship (1-3). Three consecutive enrollments, covering a minimum of eleven months of experience in an approved clinical psychology field setting for professionals who have completed clinical psychology graduate degrees and are psychologists. Required of all clinical psychology program students. An intensive, guided experience in the application of clinical psychology theory, methods, and practices in a clinical setting. Integrations between research and clinical practice. Prerequisite: Completion of Ph.D. comprehensive examinations and consent of clinical psychology faculty. FLD

PSYC 975 Professional and Ethical Problems in Clinical Psychology (3). Interprofessional, interprofessional and graduate level. A minimum of one credit of this course must be taken by all assistant instructors during the two semesters of the first year of their appointment to the department. Only three hours may count toward the Ph.D. degree. LEC

PSYC 976 Therapeutic Interventions with Children (3-5). Clinical approaches to the therapeutic treatment of children with emphasis on theory, assessment, planning, and implementation of behavior and laboratory (practicum) experience. A survey of relationship therapies, operant strategies, system approaches, parent education and play therapy by the right therapist for a specific child with a particular problem. (Same as ABSC 976.) Prerequisite: Consent of instructor. FLD

PSYC 977 Specialized Clinical Practicum (1-4). Lecture; laboratory and field work, and supervision appointment. Specialized psychological services for the evaluation and/or treatment of the individual client or the group or the institution. Investigation of and experience in a specialized area not covered in regular courses. Prerequisite: Students must consult with members of the clinical faculty and propose an acceptable project in advance of enrollment. FLD

PSYC 980 Special Problems in Psychology (1-5). Investigation of a special research problem or case study leading in an area not covered in regular courses. Prerequisite: Consent of instructor. RS1

PSYC 981 Teaching Psychology (1). Discussion of the problems and techniques of teaching psychology at the undergraduate level. A minimum of one credit of this course must be taken by all assistant instructors during the two semesters of the first year of their appointment to the department. Only three hours may count toward the Ph.D. degree. LEC

PSYC 982 Issues in Scientific Conduct (3). Lectures and discussion on issues in the conduct of a scientific career, with emphasis on practical topics of special importance in behavioral science. Topics will include the academic and scientific roles of behavioral scientists, establishing a research lab, communicating research findings, tenure processes, gender equity, ethical conduct, and good scientific citizenship. Discussion will highlight important case examples. (Same as SLPH 982.) LEC

PSYC 983 Methodology (3). Inferential problems in experimental psychology. Prerequisite: PSYC 790 and PSYC 791 or equivalent. LEC

PSYC 985 Longitudinal Data Analysis (3). Reviews and contrasts various statistical methods for the analysis of change. Course focuses on various techniques to analyze longitudinal (repeated-measures) data beyond the repeated-measures ANOVA framework. Techniques covered included latent change scores, latent difference scores, individual-differences modeling (e.g., growth curve, mixed modeling) and growth mixture modeling. Applications across the social, educational, and behavior sciences are emphasized. Prerequisite: PSYC 790 and PSYC 791 or equivalent. LEC

PSYC 986 Methods for Clustering and Classification (3). Statistical methods for identifying classes, clusters, and taxa. Topics include k-means, discriminant analysis, hierarchical clustering algorithms, additive trees, neural network models for clustering, latent class models, finite mixture models, and models for skills/cognitive diagnosis. Applications across the social, educational, and behavior sciences are emphasized. Prerequisite: PSYC 790 and PSYC 791 or equivalent. LEC

PSYC 991 Dissertation (1-12). THE

Public Administration

The Department of Public Administration houses the Edwin O. Stene Graduate Program in Public Administration and offers a Master of Public Administration degree. The degree may be obtained through course work in Lawrence, the KU Management Center in Topeka, and the KU Edwards Campus in Overland Park for the Kansas City area. Students without public administrative experience may pursue the degree under the career option through part-time studies at the three campuses or through full-time studies on the Lawrence campus. Students without public administrative experience must complete the degree under the internship option through full-time studies on the Lawrence campus. Internship-option students most commonly specialize in local or state government. After consultation with a faculty member, a student may develop an individualized specialization, supplementing course work in the Department of Public Administration with one or two courses offered by other departments in the university.

Admission. The academic prerequisites for regular admission to the M.P.A. program are

1. Completion of a bachelor’s degree preferably with a background in the social sciences, including basic college algebra and statistics courses.
2. A grade-point average of B (3.0 on a 4.0 scale) for all previous university or college work (in certain circumstances, when the grade-point average is slightly below 3.0, other factors, such as strong Graduate Record Examination scores or exceptional letters of recommendation, may be considered).

Admission is competitive and limited.

A completed application includes an online or paper graduate application form; one official transcript from each undergraduate and graduate institution; GRE scores on verbal, quantitative, and analytic sections for internship-option students (applicants may substitute Law School Admission Test and Graduate Management Admission Test scores); a one-page statement providing evidence of ability to complete graduate work (career-option applicants); a three- to five-page essay stating the applicant’s goals and objectives; a nonrefundable application fee (see Admission in the General Information chapter of this catalog).
three letters of recommendation (at least one should be academic); a current résumé; a sample of written work (academic work is preferred); and Test of English as a Foreign Language scores (international applicants). A program graduate or a faculty member may be assigned to interview applicants. Internship-option applicants must submit all application materials by February 1 to be considered for graduate fellowships. Career-option applicants are considered for fall and spring admission. Application deadlines are May 1 and July 1 for fall and October 1 and November 15 for spring.

Submit your application online at www.graduate.ku.edu. Send all other requested application materials to

The University of Kansas
Department of Public Administration, Attn: M.P.A. Admissions
Wescoe Hall, 1445 Jayhawk Blvd., Room 4060
Lawrence, KS 66045-7594

Degree Requirements. The master’s degree is awarded upon successful completion of 37 credit hours of course work. This includes 30 hours of formal course work consisting of eight required courses and two elective courses. Students attend a series of workshops to earn one additional unit of credit.

With departmental assistance, internship-option students locate a nine-month, paid internship in a governmental agency. During the internship to earn the remaining 6 hours of credit, students attend three intensive professional development seminars on campus in the fall, winter, and spring. Career-option students and international students receive 6 hours of credit either for writing a field project report or for taking two elective courses.

All students must pass a written final examination to complete the requirements for the M.P.A. degree. The time limit for earning the degree is seven years.

M.P.A./J.D. Combined Program. The joint degree program is designed for the student who intends to combine career preparation in law and public administration. Examples of career objectives for this degree are the practice of law in communities (for example, a city attorney, who may be called upon to perform legal services for a municipality) and for city managers (who may need to deal with legal questions and interact with legal professionals). The program combines into four years the normal three-year J.D. program offered by the School of Law and the two-year M.P.A. program offered by the Department of Public Administration. Students must complete 115 total credit hours: 78 credit hours in the School of Law (42 required and 36 elective), 25 hours in the Department of Public Administration, and 12 hours of electives of which only 6 hours may be law courses.

Of the 25 required hours in public administration, 6 hours are earned during the internship in the fourth year. The internship may not be taken concurrently with course work. At the conclusion of the internship year, each candidate must successfully pass a final written examination administered by public administration. The J.D. degree is awarded at the completion of the total required credit hours other than those associated with the internship. The M.P.A. degree is awarded upon successful completion of the internship and final examination. All course work counted toward any master’s degree requires a B average for the award of the degree. Specifically, students should understand that if they elect 6 or fewer hours of law requirements, the grades received in those law courses are incorporated into the M.P.A. grade-point average, which must be 3.0 for the award of the M.P.A.

For admission a student must meet requirements of both programs. Dual admission involves submitting separate sets of application materials as required by the respective programs. The M.P.A./M.U.P. program is open to those who have earned baccalaureate degrees and whose undergraduate academic records indicate that they have the capacity to complete these graduate programs.

A student must meet admission requirements of both programs. Dual admission involves submitting separate sets of application materials as required by the respective programs. The M.P.A./M.U.P. program is open to those who have earned baccalaureate degrees and whose undergraduate academic records indicate that they have the capacity to complete these graduate programs.

The Ph.D. program requires a minimum of 66 credit hours of courses, including up to 30 hours earned completing the M.P.A. degree or its equivalent, plus a minimum of 9 hours for the dissertation, for a total of 75 credit hours. (An applicant with a KU M.P.A. may apply 30 hours toward the 75-hour course work requirement.)

All students who enter the Ph.D. program must already have completed the core curriculum (eight courses) for the KU M.P.A. degree or the equivalent at another university, or they must take the appropriate courses after entering the program.
Public Administration Courses

Courses at the 800 level are primarily designed for M.P.A. students, but Ph.D. students may enroll with consent of the doctoral coordinator. Core M.P.A. courses are marked with an asterisk (*). One course chosen from PUAD 824, PUAD 825, PUAD 826, PUAD 827, or PUAD 828 meets the policy requirement.

- **PUAD 601 Crime and Punishment** (3).
- **PUAD 602 Diversity in Public Administration** (3).
- **PUAD 603 The Nonprofit Sector: Formation, Leadership, and Governance** (3).
- **PUAD 639 Concepts of Civil Society** (3).
- **PUAD 640 Public Service Leadership Practicum** (3).
- **PUAD 641 Public Service Leadership** (3).
- **PUAD 693 Directed Readings** (1-3).
- **PUAD 694 Topics in Public Administration: _____ (3).
- **PUAD 695 Public Service Leadership Field Research Report** (3).
- **PUAD 824 Public Policy and Administration** (3). An exploration of the ways in which public policy is made in the United States, focusing on the role of the administrator at each stage of the policy process: formulation, implementation, and evaluation. Various theories of policy-making with application to specific areas of public policy will be examined. LEC
- **PUAD 825 Public Policy and Urban Administration** (3). An exploration of policy development, implementation, and evaluation in the local government context. Various theories of the policy process and their application to municipal government are examined. (Same as POLS 825.) LEC
- **PUAD 826 Public Policy and Administration of State Government** (3). An examination of political and administrative aspects of state government focusing on legislative and executive branches of government. LEC
- **PUAD 827 Health Care Policy and Administration** (3). A seminar designed to explore the development of public health policy in the United States. Particular attention will be given to (1) the development of public institutions and policy goals; (2) current policy problems such as expenditure-cost controls, prospective reimbursement, utilization review, access, and public and private investment planning; and (3) administrative problems in the current health care system. (Same as HP&M 837.) LEC
- **PUAD 828 Nonprofit Management and Policy** (3). This course focuses on the economic, social, and legal foundations of the nonprofit sector. Nonprofits are examined in the context of a three-sector economy, with emphasis on the ways in which nonprofits compensate for market failures and government failures. The course examines government-nonprofit relations in the modern welfare and offers an in-depth examination of the health, education, and welfare functions as performed by nonprofits. This course also provides exposure to selected topics in nonprofit management such as grant writing, board relations, advocacy, fundraising and volunteer management. LEC
- **PUAD 830 Administrative Ethics** (3). A survey of ethical issues faced by public administrators. Special attention will be given to ethical problems arising within hierarchical organizations and to the ethical implications of particular public policies. LEC
- **PUAD 831 Public Administration Practicum** (3). Explores students to day-to-day operational facets of public management through workshops, speakers, exercises. LEC
- **PUAD 832 Organizational Theory** (3). An introductory theory course designed to develop an understanding about organizations, their environments, and the political and administrative systems in which they exist. LEC
- **PUAD 833 Administrative Behavior** (3). An examination of individual and group behavior within organizations, focusing on motivation, leadership, conflict and conflict resolution, group dynamics and communication. LEC
- **PUAD 834 Human Resource Management** (3). Explores the way public sector organizations procure, allocate, and develop labor and how the employee-employer relationship is established and maintained. Also emphasizes the relationship between civil service personnel systems and larger political systems. LEC
- **PUAD 835 Financing Public Services** (3). This course examines the theories of taxation and non-tax revenues. Basic microeconomic theory is introduced. LEC
- **PUAD 836 Introduction to Quantitative Methods** (3). Introduces quantitative approaches to examine public management and public policy decisions. Concepts of research design, probability, and inferential statistics are covered. LEC
- **PUAD 837 Resource Allocation and Control** (3). Examines the theory, processes, and administration of public budgeting. Emphasizes how political and economic factors shape budgetary processes and outcomes; how budget formats, systems, and management tools affect resource allocation and organization performance; and technical and analytical tools needed to successfully navigate budget processes. LEC

The requirements for the Ph.D. are based on formal course work and independent study in several fields:

- Foundations of public administration
- Specialization field within public administration
- Cognate field
- Methods sequence

**Foundations of Public Administration.** Four of the five courses listed below are required of all doctoral students.

- PUAD 930, PUAD 931, and PUAD 932
- And either PUAD 943 or PUAD 949

Substitutions require the approval of the departmental coordinator of doctoral studies.

**Public Administration Specialization.** In consultation with the coordinator of doctoral studies, each student must develop a public administration specialization of at least three courses. Common specializations include budgeting, public finance, human resources management, public policy analysis and evaluation, public values and ethics, organizations and organization theory, public law and administration, and urban policy/politics and community building. Each has a basic course that is regularly taught in the present graduate curriculum at the 800 level, and it is presumed that at least an additional course would come from independent study. A third course could come from the department or could be taken outside. Potential cooperating units include the Departments of Political Science, Communication Studies, and Economics and the Schools of Education and Business. Additional subfield specializations are available in consultation with faculty.

**Cognate Fields.** The degree requires a cognate field in addition to the public administration specialization. The cognate field is a subfield in economics, political science, education administration, etc., or a policy specialization (environmental policy, transportation policy, etc.) The cognate field’s sequence of three courses requires the approval of the departmental coordinator of doctoral studies and does not require a comprehensive examination.

**Methods.** The doctorate emphasizes the development of research skills. It requires PUAD 934 Research Methods in Public Administration, with the prerequisite PUAD 836 or its equivalent, and PUAD 935 Advanced Quantitative Methods for Public Administration. Students also are encouraged to take PUAD 937 Qualitative Methods in Public Administration. Substitutions require the approval of the departmental coordinator of doctoral studies. The methods requirement satisfies Option 1 of the Foreign Language or Other Research Skills Requirement.

To become a Ph.D. candidate, the student must complete a comprehensive oral examination. No student may attempt the comprehensive oral until he or she has satisfied requirements for the cognate field and passed the preliminary written examination in both the foundations and specialization fields. The doctoral coordinator certifies that the student has met these requirements.

After passing the comprehensive oral examination, the doctoral candidate must write a dissertation approved by a departmental dissertation committee and pass a final oral defense of the dissertation to qualify for the degree. If the aspirant receives a grade of unsatisfactory, the examination may be repeated, but under no circumstances may the student take it more than twice.
PUAD 838 Urban Service Delivery (3). Focuses on organizational arrangements for the provision of basic urban services and the character of service delivery politics. Methods for evaluating the efficiency and responsiveness of alternative organizational arrangements are treated. LEC

PUAD 839 Topics in Public Administration: (3). Study of selected topics in public administration. LEC

PUAD 840 Theory of Public Administration (3). Survey of the development of ideas about public administration among public officials and research investigators. Emphasis on basic concepts, research reports, and theoretical treatises on the nature of public administration. LEC

*PUAD 841 The Role, Context, and Ethics of Public Administration in American Society (3). Provides students with an overview of the social context of public administration with an emphasis on political issues, political history, and ethics. LEC

*PUAD 842 Law and Public Management (3). Course investigates major concepts that make up the legal environment of public administration, such as the accepted uses and procedures of the field, relationships among courts, agencies, the legislature, and basic legal research are examined. LEC

PUAD 843 Constitutional Foundations of Public Administration (3). This course provides a grounding in the constitutional premises of public administration including executive, legislative, and judicial powers, and federalism, and those issues associated with the development of economic institutions and processes such as taxation, employment regulation, and commerce controls. LEC

PUAD 844 Advanced Seminar in State and Local Budgeting (3). This course studies the theoretical and technical aspects of public budgeting and compares the theories with the actual practice of budgeting in the State of Kansas and its communities. LEC

*PUAD 845 Public Management and Organizational Analysis (3). Explores knowledge of organizational theory and behavior to understand and explore organizational dynamics in the public sector. Topics include change, innovation, and organizational culture. LEC

PUAD 846 Kansas and Its Government (3). This course is designed to offer students the opportunity to obtain a comprehensive overview of the culture, history, economy, and geography of Kansas along with the review of state and local government infrastructure. The review of governments will include the financing of governments in Kansas. LEC

PUAD 847 Legislative Process (3). This course is designed to acquaint students with the workings of the policy process at the level of state government. Its focus will give students an understanding of the political process to enable them to function more effectively in state policy development and implementation. Prerequisite: PUAD 824, PUAD 825, PUAD 826 or PUAD 827. LEC

PUAD 848 Advanced Management Practices in State Government (3). This course offers the student the opportunity to enhance skills developed in PUAD 826 in an experiential learning environment that simulates actual management practices. Complex cases will be ranked ordered and resolved on a work schedule developed by each work group. Groups will work simultaneously on two or more cases at all times. Prerequisite: PUAD 826. LEC

PUAD 849 Law, Courts, and Public Policy (3). This course provides an overview of the role of law, litigation, and courts in the public policy process, with an emphasis on bureaucratic institutions. The course covers the main theories and empirical research on the policy effects of litigation and intervention, with a particular focus on civil rights in the areas of employment, policing, welfare, prisons, and environmental policy. (Same as FOLS 849.) Prerequisite: Graduate standing or consent of instructor. LEC

PUAD 850 Intergovernmental Relations (3). This course focuses on the fiscal and administrative relationships among the three levels of government—federal, state, and local—in the United States. A number of topics will be examined, including a history of intergovernmental relations, the political, constitutional, and legal foundations of the intergovernmental system, the fiscal and administrative powers of the federal government, and the impact of the intergovernmental system will be assessed from the perspective of specific areas and intergovernmental programs. LEC

PUAD 851 Infra-Structure Management (3). A survey of land-use, infra-structure, and technology issues in municipalities. LEC

PUAD 852 Comparative Public Policy and Administration (3). This seminar examines the application of theories in public administration, public management, and public policy in international and comparative contexts. Particular attention is given to how governments and publics are connected by way of intergovernmental strategies, governance, and differing political and administrative arrangements. LEC

PUAD 853 Policy Analysis and Evaluation (3). This course will examine the fundamental research techniques associated with analyzing alternative solutions to policy problems, as well as evaluating the effectiveness of public programs. Such techniques include cost-benefit, risk-benefit and cost-effectiveness analysis, and quasi-experimental and experimental designs. LEC

PUAD 854 Innovation and Organizational Change (3). This course will examine theories of innovation and organizational change as applied to public organizations. Particular emphasis will be placed on the concepts of innovation in bureaucratic organizations, on the process of successful change in organizations, and on leadership and employee roles. LEC

PUAD 855 Financial Management for Public and Not-for-Profit Organizations (3). Financial management of public and not-for-profit organizations. Focus will be on the use of financial information in decision making and evaluation. This course will rely on fundamental accounting concepts as they relate to the basic financial statements of government and not-for-profit organizations. Time will also be spent on financial management practices (e.g., cash management, capital budgeting, etc.) and financial condition statements. Material presented in this course expands on the foundational material covered in PUAD 837. Prerequisite: PUAD 837 or permission from the instructor. LEC

PUAD 893 Directed Readings (1-3). Designed to meet the needs of advanced students whose study in public administration cannot be met within current course work. RSH

PUAD 894 Professional Development Seminar I (3). Open only to precareer students with internships, this intensive seminar is designed around issues interns confront in their working relationships. Emphasis is placed on the transition of the students from an academic to a professional work environment. Class sessions deal with issues like employee socialization, power and trust, and administrative change. Graded on a satisfactory/unsatisfactory basis. FLD

PUAD 895 Professional Development Seminar II (3). Continuation of PUAD 894. Graded on a satisfactory/unsatisfactory basis. FLD

PUAD 896 Field Project Report (1-6). A major independent research project in lieu of a thesis for the MPA degree. Prerequisite: Completion of all other course requirements for the degree. THE

PUAD 930 Research Seminar in Public Administration and Democracy (3). This course focuses on the democratic context of public administration. Topics could include how democracy shapes the practice of public administration; the functioning of public administration in a constitutional democracy; issues relating to control and discretion of public administrators; citizenship and representative bureaucracy; theories of bureaucratic values such as equity, justice and efficiency, ethics and accountability; theories of institutions. SEM

PUAD 931 Research Seminar in Public Management (3). This course, on the topic which increasingly is approached as an interdisciplinary field, focuses on the management and public role of public and nonprofit organizations. Particular emphasis will be placed on the nature of public agencies and the roles of public executives, managers, and professionals; distinctions between public, private, and non-profit agencies in America and internationally; creating and maintaining networks; leadership; work motivation; and the ethics of decision-making. SEM

PUAD 932 Seminar in the Intellectual History of Public Administration (3). This course will analyze the intellectual currents that undergirded the theories and concepts in public administration. There are three primary perspectives crossing the topics. They are historical, cultural and analytical. SEM

PUAD 934 Research Methods in Public Administration (3). The course examines issues of research and epistemology with an emphasis on connecting theory and research and doing research in field settings. RSH

PUAD 935 Advanced Quantitative Methods for Public Administration (3). This seminar will assist students to develop a thorough competence in both theory and application of multivariate statistical models of the types that are commonly used to study questions of organization and policy in the public sector. These will include inference for the general linear regression model under a wide variety of specifications, as well as a consideration of path models and systems of simultaneous equations. The principal goal of this course is to strengthen the ability of doctoral students in public administration to work methodologically as independent scholars using relatively advanced designs and techniques in their work. SEM

PUAD 936 Policy Analysis and Program Evaluation (3). This course examines the theoretical foundations and analytical components of policy analysis and program evaluation, common tools for assessing alternative courses of public action and program effectiveness. This examination will include a review and critique of common quantitative and qualitative approaches, including cost-benefit analysis, cost-effectiveness analysis, and quasi-experimental design. LEC

PUAD 937 Qualitative Methods in Public Administration (3). This course examines the qualitative methods of research. The focus will be on field research and the collection of "textual data" through observation, interviewing, and documents. The course will also examine the interpretation and analysis of qualitative data and how to present qualitative findings. RSH

PUAD 939 Topics in Public Administration: (1-3). A study of a selective topics in public administration. Course may be taken more than once. LEC

PUAD 943 Constitutional Foundations of Public Administration (3). This course provides grounding in the constitutional premises of public administration including executive, legislative, and judicial powers, and those issues associated with the development of economic institutions and processes such as taxation, employment regulation, and commerce controls. LEC

PUAD 949 Law, Courts, and Public Policy (3). This course provides an in-depth analysis of the role of law, litigation, and courts in the public policy process, with an emphasis on bureaucratic institutions. The course will cover the main theories and empirical research on the policy effects of litigation and intervention, with a particular focus on civil rights in the areas of employment, policing, welfare, prisons, and environmental policy. (Same as FOLS 949.) Prerequisite: Graduate standing or consent of instructor. LEC

PUAD 990 Research Practicum in Public Policy and Administration (3). This course will provide students with an opportunity to conduct applied research in a field setting with faculty guidance. May be pursued as an independent study or as a regularly scheduled class with a group of students. Prerequisite: PUAD 934 and PUAD 935. RSH

PUAD 998 Directed Reading on Public Administration (1-6). Designed to meet the needs of graduate students whose study in public administration cannot be met with present course work. Prerequisite: consent of instructor. RSH

PUAD 999 Dissertation (1-15). Enrollment for writing doctoral dissertations. THE
The academic study of religion acquaints the student with religion as a central phenomenon of human experience.

Twenty-five KU students have become Rhodes Scholars since the program began.
Religious Studies

REL 761 Seminar in Western Religious Thought: _____
REL 775 Seminar in Religion and Society in the West: _____

B. Non-Western Religious Traditions
REL 507 Religion in India (3).
REL 508 Religion in China (3).
REL 509 Religion in Japan (3).
REL 733 Seminar in Eastern Religious Texts: _____
REL 762 Seminar in Eastern Religious Thought: _____
REL 776 Seminar in Religion and Society in Asia: _____

(g) Each student must complete 9 hours in courses numbered 700 or above, excluding REL 800 Readings and REL 899 Thesis. Courses at the 700 level in religious studies are seminars that include the following elements: at least one session devoted to a discussion of methods of study, completion of a major research paper of at least 25 pages, an oral defense and presentation of student research during the semester for which the student was first enrolled in the class, a limit of 15 students in the class, and permission of the instructor for undergraduates.

2. Each student must pass a comprehensive examination, oral and written, over the declared competence, based on a bibliography generated by the student, adviser, and supervisory committee. The bibliography must list about 20 to 25 books in addition to appropriate articles. Two-thirds of the bibliography should be relevant to the area generally, and one-third should reflect the student’s special interests within that area.

3. Each student must write and successfully defend a thesis that meets minimum department and general requirements. As many as 3 hours in REL 899 Thesis may be included in the 30-hour program. The thesis project includes a prospectus for a thesis to the supervisory committee, approval of which can be granted only after the examination is passed.

Nonthesis Program Degree Requirements. The nonthesis graduate program in religious studies leads toward the M.A. and consists of two interrelated but distinct elements.

1. A candidate for this degree must complete 33 graduate credit hours with the following stipulations:
   (a) At least 21 of the 33 graduate hours must be in courses in religious studies and the rest in fields related to a declared competence.
   (b, c, d, e, f, g) (Same as thesis option, above).

2. The student must pass a comprehensive oral and written examination over the declared competence, based on a bibliography generated by the student, adviser, and supervisory committee. The bibliography must list about 20 to 25 books in addition to appropriate articles. Two-thirds of the bibliography should be relevant to the area generally, and one-third should reflect the student’s special interests within that area.

Transfer of Credit
Transfer of graduate credit is allowed, including study abroad course credit, from other accredited institutions, up to a total of 6 semester hours. (See Credit by Transfer under General Regulations in the General Information chapter of this catalog.) Bachelor’s degree graduates from KU are permitted to transfer 8 hours. The hours may be used only when the M.A. is completed within six years of the time the credit was given. Application for transfer must be made by the student and the adviser to the committee on graduate studies. Normally, such applications are not made until after 12 hours of KU course work have been completed. If the committee approves, applications are forwarded for approval.

Jewish Studies Courses
JWSH 572 Jewish Folklore (3). HL
JWSH 600 Advanced Topics in Jewish Studies: _____ (3).

REES courses are taught by faculty members in many areas of the university.

The Center for Russian, East European, and Eurasian Studies is one of the nation’s 16 comprehensive Title VI National Resource Centers for the study of Russia, Ukraine, East Central Europe, and the Balkans.
Religious Studies | Russian, East European, & Eurasian Studies

May be taken more than once if subject matter varies sufficiently. (Same as EALC 722.) Prerequisite: REL 507, REL 508, REL 509, or permission of the instructor. LEC

REL 771 Seminar in Religious Movements and Social Change: (3). Relationship of religious groups to movements for social change: influence of religious groups on social change, and the impact of efforts toward social change in religious groups. Prerequisite: REL 171, REL 371, REL 377, or equivalent. LEC

REL 772 Seminar in Religion and Modern Social Criticism: (3). Seminar focusing on religious issues in some important texts of modern social criticism from the French Revolution to the present day. Prerequisite: An introductory course in religion. LEC

REL 773 Seminar in Religion and National Identity: (3). Analysis of selected issues wherein religion and the formation and definition of a selected nation or nations intersect. LEC

REL 775 Seminar in Religion and Society in the West: (3). Analysis of selected Western religions and their relationships to selected Western societies. May be taken more than once if subject matter varies sufficiently. Prerequisite: REL 512, REL 515, REL 526, REL 530, REL 532, REL 539, or REL 570 or permission of instructor. LEC

REL 776 Seminar in Religion and Society in Asia: (3). Analysis of selected Asian religions and their relationship to selected Asian societies. May be taken more than once if subject matter varies sufficiently. (Same as EALC 776.) Prerequisite: REL 507, REL 508, REL 509, or permission of the instructor. LEC

REL 777 Seminar in Religion and Gender (3). Examination of symbols, images, scriptures, rites, teachings and scholarship regarding gender definitions and performance in various religious traditions. LEC

REL 780 Seminar in Theories of Religious Experience (3). Seminar exploring sociological, psychological, anthropological, and other theories regarding religious experience. Prerequisite: Permission of instructor. LEC

REL 781 Seminar in Theories of Religion (3). A study of selected theorists concerned with the nature of religion conducted by methodological analysis of the theories, data, and conclusions. LEC

REL 787 Seminar in Ethical Issues in Health Care: (3). Interdisciplinary seminar, drawing on the literature of social, medical, and professional ethics, with special attention to religious perspectives on meanings of health and the delivery of health care. Of particular interest to health-related professions. Prerequisite: Permission of instructor. LEC

REL 800 Readings (1-4). RSH

REL 839 Topics in the History and Literature of Religion: (3). Selected studies, as announced in Schedule of Classes, in the history and literary literature of Judaism, Christianity, religion in America, Islam, and Asian religions. Course may be taken more than once if the subject matter varies sufficiently. Prerequisite: Permission of instructor. LEC

REL 864 Topics in Religious Thought and Symbol: (3). Selected studies, as announced in Schedule of Classes, in Asian, Middle Eastern, and Western religious thought, mysticism, and religious ethics. Course may be taken more than once if subject matter varies sufficiently. Prerequisite: Permission of instructor. LEC

REL 875 Topics in Religion and Society: (3). Special topics to be announced in Schedule of Classes, according to research interests of faculty and students. A particular aspect of the study of religion and culture will be emphasized. Course may be taken more than once if the subject matter varies. Prerequisite: Permission of instructor. LEC

REL 877 Topics in Women and Religion: (3). Selected studies, as announced in Schedule of Classes, in the history and analysis of symbols, images, scriptures, rites, and teachings defining women's roles in various religious traditions. Course may be taken more than once if the subject matter varies sufficiently. Prerequisite: Permission of instructor. LEC

REL 899 Thesis (1-9). THE

Russian, East European, and Eurasian Studies

Chair: Edith W. Clowes, cres@ku.edu
Bailey Hall, 1440 Jayhawk Blvd., Room 320
Lawrence, KS 66045-7545, www.crees.ku.edu, (785) 864-4236

Graduate Adviser: Eve Levin, 320F Bailey Hall, (785) 864-4236

Professors: Carlson, Clowes, Crawford, DeGeorge, El-Hodiri, Francisco, Gottlieb, Greenberg, Houston, Lesnikowski, Levin, Mikkelsen, Parker, Rankin, Staniunas, Wilson

Professors Emeriti: Alexander, Cienciala, Dardess, Diens, Greaves, Maurer, Piekalkiewicz, Saul, Stokstad

Associate Professors: Basow, Christilles, Comer, Dickey, Earnhart, Hanley, Herron, Najafizadeh, O’Lear, Phipps, Volek

Assistant Professors: Andac, Dolgopolski, Dwyer, Hilsdale, Ivanov, L’Heureux, Najafizadeh, Omelicheva, Perelmutter, Radanovicv, Sabag, A. Tsiovkh, Y. Tsiovkh, Vassileva-Karagyozova, Wood

Librarians: Guillian, Haines, Husic, Rosenblum

Admission

Most applicants hold B.A. degrees in the social sciences or humanities with grade-point averages of 3.0 or higher. Students with B.S. or professional degrees are also eligible to apply. Some students may consider completing the M.A. degree in conjunction with academic or professional study in another department or school.

Students should submit the following application materials:

• Application for admission, sent to the Graduate Application Processing Center of the University of Kansas.
• A nonrefundable application fee (payable to the University of Kansas; see Admission in the General Information chapter of this catalog).
• One original transcript of all college-level work.
• Graduate Record Examination scores. International students should also submit Test of English as a Foreign Language scores.
• Three letters of recommendation commenting on the student’s ability to succeed at graduate work. These letters should be accompanied by a signed waiver form, indicating whether the applicant has waived his or her rights to see the letter.
• A two-page statement of the student’s educational and professional objectives.

Applications to begin the M.A. program should be submitted by January 1 for admission for the following fall semester. Applications may be accepted off-cycle; please consult with the graduate adviser.

Submit your application at www.graduate.ku.edu.

Send all other requested application materials to

The University of Kansas
Russian, East European, and Eurasian Studies
Bailey Hall, 1440 Jayhawk Blvd., Room 320
Lawrence, KS 66045-7545

M.A. Degree Requirements

A Master of Arts degree is awarded in three tracks: Russian, East European, and Ukrainian.

Requirements for the degree:
1. One course of advanced language (in addition to the 22 hours or equivalent required below).
2. Three courses for a total of 9 credit hours in the department or subject area of the student’s special interest.
3. One area course in each of the other four groupings below, for a total of 12 hours.
4. REES 898 and REES 899. REES 898 focuses on research methodologies, resources, and issues. REES 899 is a seminar in which students will research, write, and present an original formal paper on a topic developed in consultation with the faculty, extensively using sources in the target area language. Before enrolling in REES 899, students must have completed a total of 22 semester credit hours (three years), or the equivalent, of the target language.

Course Groupings

I. Literature and the Arts
II. History
III. Political Science
IV. Philosophy and Religion
V. Economics, Business, and Geography

Every graduate degree candidate must pass a comprehensive examination, in addition to the regular course examinations, by the final date for meeting general degree requirements.

Information about opportunities and requirements for graduate work with a Russian or East European concentration in any department at KU may be obtained from the department.

Requirements may be modified in special cases with the director’s approval, particularly for students with special needs such as Experienced Teacher Fellows, Foreign Area Officers, or candidates for degrees in the professional schools. All students are encouraged to study abroad.
Russian, East European, and Eurasian Studies Courses

REES 510 Understanding Central Asia (3). NW
REES 704 Russian Orthodoxy in Historical Perspective (3). This course examines Russian Orthodoxy as a religious system and the institution of the Russian Orthodox Church from its first appearance in Russia to the present. It focuses on beliefs and practices of the clergy and laity; institutional structures; the relationships between Church and State; interactions with non-Orthodox religious communities; responses to Soviet atheist policies; Orthodox influences on political theory, philosophy, literature, and the fine arts. (Same as REL 704.) LEC
REES 799 Directed Readings in Russian and East European Studies (1-5). RSH
REES 895 Special Problems in Area Studies: Literature, Philosophy, and the Fine Arts. (Same as REL 704.) LEC
REES 897 Research (1). Enrollment to fulfill Master’s continuous enrollment rule. Prerequisite: Completion of all degree requirements except submission of seminar paper or comprehensive examination. RSH
REES 898 Seminar in Russian and East European Studies (3). Mastery of interdisciplinary research skills, and knowledge of resources and scholarship on the study of Russian, East European, and Eurasian Studies. LEC
REES 899 Capstone Research Seminar in Russian, East European, and Eurasian Studies (3). Research, write, and present a professional-quality paper, involving interdisciplinary original research, consultation with REES faculty, and substantial use of sources in at least one REES language. Prerequisite: REES 898. SEM

Serbian

See Slavic Languages and Literatures.

Slavic Languages and Literatures

Chair: Marc L. Greenberg, mlg@ku.edu
Wescoe Hall, 1445 Jayhawk Blvd., Room 2134
Lawrence, KS 66045-7594, www2.ku.edu/~slavic, (785) 864-3313
Director of Graduate Studies: Maria Carlson, mcarlson@ku.edu
Professors: Carlson, Clowes, Greenberg, Parker
Professor Emerita: Maurer
Associate Professors: Comer, Dickey
Assistant Professors: Perlmutter, Sabbag, Vassileva-Karagyozova
Courtesy Faculty: Levin, Mikkelson
The department offers programs leading to Master of Arts and Doctor of Philosophy degrees in Slavic languages and literatures. Two concentrations are available in the Ph.D. program: Russian literature and Slavic linguistics.

Admission

Submit your application online at www.graduate.ku.edu. Send all other requested application materials to
The University of Kansas
Department of Slavic Languages and Literatures
Wescoe Hall, 1445 Jayhawk Blvd., Room 2133
Lawrence, KS 66045-7594

M.A. Degree Requirements

M.A. in Slavic Languages and Literatures. Prerequisites for Admission: 30 semester hours of credit in an appropriate Slavic language and literature (of which 12 hours must have been taken on the junior/senior level), or the equivalent of such study.

Nonthesis Degree
1. At least 30 hours of graduate work in Slavic languages and literatures including SLAV 710 and SLAV 740, three courses in Slavic literature, three courses in Slavic linguistics, and two courses in either Slavic literature or linguistics. At least one of the literature or linguistics courses must be a graduate seminar.
2. A written and oral examination.

Thesis Degree
1. At least 24 hours of graduate work in Slavic languages and literatures, including SLAV 710 and SLAV 740, three courses in Slavic literature, and three courses in Slavic linguistics.
2. A thesis for which 6 credit hours may be allowed (not to be included in the 24 hour minimum).
3. A written and oral examination.

For students who plan to continue in the graduate program, the M.A. written and oral examination serves as a qualifying examination for advancement to Ph.D. work. For students who seek only the M.A. degree, successful completion of the M.A. written and oral examination signals the end of their program.

Students planning to work toward the Ph.D. may begin study of a second Slavic language during their M.A. work. Such study does not count toward M.A. degree requirements.

Students completing the M.A. degree without intent to continue to Ph.D. work have the opportunity, in consultation with the graduate adviser, to adjust their program to meet specific career goals.

Ph.D. Degree Requirements

Students admitted to Ph.D. work in Russian literature or Slavic linguistics must fulfill M.A. requirements and pass the qualifying examination. Students also must fulfill all specific requirements in the concentration, meet the Foreign Language or Other Research Skills (FLORS) requirement, complete comprehensive examinations, and write a dissertation.

All Ph.D. students are expected to enroll in courses in their concentrations numbered 500 and above offered in a given semester (1) if they have not previously had the courses or their equivalent, (2) if it is judged that the course material aids in preparation for comprehensive examinations, and (3) if it is feasible to incorporate such courses into a given semester’s program.

Requirements for Ph.D. Concentration in Russian Literature
• Detailed knowledge of the history and development of Russian literature
• Oral and written competence in Russian language plus an orientation in its structure and history
• Reading competence in at least one West or South Slavic language and a general knowledge of the history of its literature
• Nine to 12 graduate semester credit hours in a minor subject either from outside or inside the department
• An acceptable dissertation

Requirements for Ph.D. Concentration in Slavic Linguistics
• Detailed knowledge of the structure and history of two Slavic languages, one of which is considered the student’s major language, plus reading competence in a third Slavic language
• Oral and written competence in the major Slavic language
• Nine to 12 graduate semester credit hours in a minor subject, either from outside or inside the department
• Basic knowledge of general and comparative linguistics
• An acceptable dissertation

Language and area studies in Russian, Bosnian/Croatian/Serbian, and Polish are available.

The holdings of Slavica in the University of Kansas library total more than 400,000 volumes in both Slavic and non-Slavic languages.
Examinations. Qualifying Examination: All students must take the qualifying examination to be admitted to Ph.D. work. For KU students, the M.A. examination serves as the qualifying examination. Students who hold the M.A. degree from another institution but begin Ph.D. work at KU are required to take the qualifying examination within two semesters of entry into the program.

FLORS Requirement: Before receiving permission to attempt the Ph.D. comprehensive examination, the student must demonstrate (through course work or examination) reading competence in a Western European language, preferably French or German.

Comprehensive Examination: Students may take written and oral comprehensive examinations after fulfilling all other requirements for the Ph.D., with the exception of the dissertation.

Dissertation Defense: Students demonstrate satisfactory completion of the Ph.D. program in their final oral defense of the dissertation and its field and by prompt submission of the thesis.

**Slavic Language Programs in Russia and Eastern Europe**

KU conducts a six-week summer language program in Russia. Students may take intermediate or advanced Bosnian/Croatian/Serbian at a six-week summer institute in Croatia or attend a summer language program in Poland. Graduate students at KU are encouraged to spend a summer, semester, and/or year studying and conducting research in their country of interest.

- **Bosnian/Croatian/Serbian Courses**
  - BCRS 504 Advanced Bosnian/Croatian/Serbian I (3).
  - BCRS 508 Advanced Bosnian/Croatian/Serbian II (3).
  - BCRS 675 Readings in Bosnian/Croatian/Serbian (1-6).

- **Czech Course**
  - CZCH 675 Readings in Czech (1-6).

- **Polish Courses**
  - PLSH 504 Advanced Polish I (3).
  - PLSH 508 Advanced Polish II (3).
  - PLSH 675 Readings in Polish Language and Literature (1-6).

- **Russian Courses**
  - RUSS 504 Advanced Russian I (3).
  - RUSS 508 Advanced Russian II (3).
  - RUSS 512 Russian for the Professions I (3).
  - RUSS 516 Russian for the Professions II (3).
  - RUSS 522 Problems in Translating Russian into English I (3).
  - RUSS 526 Problems in Translating Russian into English II (3).
  - RUSS 550 Advanced Conversation, Composition, and Grammar in Russia: Summer Program (6).
  - RUSS 552 Advanced Russian Language at Saint Petersburg University: Semester Program (14).
  - RUSS 600 Classics of Russian Culture (3).
  - RUSS 604 Contemporary Russian Culture (3).
  - RUSS 608 Russian Phonetics and Grammar (3).
  - RUSS 612 Introduction to Russian Literature (3).
  - RUSS 616 Stylistics (3).
  - RUSS 675 Readings in Russian (1-6).

- **Slavic Languages and Literatures Courses**
  - SLAV 500 Russia Today (3).
  - SLAV 502 Introduction to Russian Culture and Society: _____ (3).
  - SLAV 503 Post-Soviet Communication (3).
  - SLAV 504 Introduction to East-Central European Culture and Society: _____ (3).
  - SLAV 505 Introduction to Czech Culture (3).
  - SLAV 506 West Slavic Literature and Civilization (Polish and Czech) (3).
  - SLAV 508 South Slavic Literature and Civilization (3).
  - SLAV 510 The Russian Literary Genius (3).
  - SLAV 512 Siberia Yesterday and Today (3).
  - SLAV 514 Totalitarianism and Literature in Central Europe (3).
  - SLAV 515 Film Adaptations of Polish and Czech Literature (3).
  - SLAV 520 Russian Phonetics, Phonology, and Inflectional Morphology (3).
  - SLAV 522 Russian Derivational Morphology, Syntax, and Lexicology (3).
  - SLAV 524 Russian Since the Revolution (3).
  - SLAV 528 Comparative Study of Slavic Literatures (3).
  - SLAV 530 Introduction to Russian Poetry (3).
  - SLAV 532 Dostoevsky (3).
  - SLAV 534 Tolstoy (3).
  - SLAV 536 Turgenev (3).
  - SLAV 538 The Modern Polish Short Story (3).
  - SLAV 540 Language and Identity in East-Central Europe and the Former Soviet Union (3).
  - SLAV 558 Readings in Slovene (1-6).
  - SLAV 560 Introduction to Slavic Language: _____ (3).
  - SLAV 561 Readings in Slavic Languages: _____ (1-6).
  - SLAV 562 Russian Theatre and Drama from Stanislavsky and Chekhov to the Present (3).
  - SLAV 564 The “Woman Question” in Nineteenth-Century Russian Literature (3).
  - SLAV 566 The Devil in Russian Literature (3).
  - SLAV 568 Biblical Themes in Modern Russian Literature (3).
  - SLAV 600 Biography of a City: ____ (3).
  - SLAV 612 Introduction to Russian Literature of the 19th Century (3).
  - SLAV 614 Russian Literature in Translation: ____ (3).
  - SLAV 616 Introduction to Russian Literature of the 20th Century (3).
  - SLAV 630 Slavic Folklore (3).
  - SLAV 635 Language, Culture, and Ethnicity in Prehistoric Eastern Europe (3).
  - SLAV 642 Pushkin and Evgeniy Onegin (3).
  - SLAV 650 The Russian Short Story (3).
  - SLAV 656 Russian Literature of the 18th Century (3).
  - SLAV 660 Nineteenth-Century Russian Prose and Fiction (3).
  - SLAV 662 Russian Literary Modernism: 1880-1930 (3).
  - SLAV 667 Post-Soviet Literature (3).
  - SLAV 668 Nabokov (3).
  - SLAV 678 Readings in Slavic Linguistics (1-6).
  - SLAV 679 Topics in: ____ (1-6).
  - SLAV 684 Main Currents of Russian Thought I (3).
  - SLAV 686 Main Currents of Russian Thought II (3).
  - SLAV 710 Introduction to Slavic Languages and Linguistics (3). The Slavic languages and peoples, including briefly: their origin, prehistory, and early culture. Basic linguistic methodology as applied to Slavic material from the beginnings of Slavic linguistics to the present.
  - SLAV 711 Russian Poetry: Nineteenth Century (3). Readings from the works of the major poets, in Russian. Prerequisite: Three years of Russian language study or the equivalent. LEC
  - SLAV 712 Russian Poetry: Twentieth Century (3). Readings from the works of the major poets, in Russian. Prerequisite: Language proficiency. LEC
  - SLAV 714 Russian Theatre and Drama to 1900 (3). A study of the development of Russian theatre and dramatic literature from their beginnings to 1900. Readings in English. Students with knowledge of Russian will read some works in Russian. LEC
  - SLAV 715 Russian Drama and Theatre 1953 to the Present (3). A study of the development of Russian theatre and dramatic literature from 1953 to the present. Readings in English. Students with knowledge of Russian will read some works in Russian. LEC
  - SLAV 716 History of Russian Literary Criticism: Late 18th and 19th Century (3). A study of the various literary periods, such as sentimentalism, romanticism, naturalism, realism, with particular reference to individual literary critics and critical journals. LEC
  - SLAV 719 Philosophical and Aesthetic Thought of the Russian Silver Age (3). A survey of the works of Solovoy, Florensky, Berdyaev, Merezhkovsky, Ivanov, and others, and their relation to the literature and culture of the Silver Age. LEC
  - SLAV 721 Pushkin (3). A study of the life and works of Alexander Pushkin. Readings in Russian, open to senior Russian majors and graduate students. Prerequisite: Three years of Russian or the equivalent. LEC
  - SLAV 726 Chekhov (3). A study of the life and works of Anton Chekhov. Open to senior Russian majors and graduate students. Readings in Russian. Prerequisite: Three years of Russian or the equivalent. LEC
  - SLAV 727 Bely and Blok (3). A study of the life and works of the Symbolist writers, Andrei Bely and Aleksandr Blok. Readings in Russian. LEC
  - SLAV 728 Nineteenth-Century Russian Prose (3). Readings from the works of Turgenyev, Chekhov, Leskov, Saltykov, and others. Readings and discussion in English. Russian majors will be expected to read some works in Russian. No prerequisite. LEC
  - SLAV 730 Russian Emigre Literature (3). A study of representative works in all genres, by Russian émigré writers. Readings in English, LEC
  - SLAV 740 Bibliography and Methods (3). An introduction to the technical problems of literary and philosophical research in the field of Russian studies. LEC
  - SLAV 748 Old Church Slavic (3). A course in the first written language of the Slavs (9-12th centuries AD), with discussion of Indo-European, Baltic and Common Slavic background. Prerequisite: Two years of Russian or the study of another ancient Indo-European language. LEC
  - SLAV 750 Introduction to Russian Historical Grammar (3). The linguistic history of Russian from the emergence of East Slavic dialects of Common Slavic to the
modern period, with emphasis on fundamental structural changes and the introduction of new concepts necessary for the reading and analysis of Old and Middle Russian texts. Prerequisite: Three years of Russian or the equivalent. LEC

SLAV 752 Old Russian Grammar and Texts (3). An examination of the Russian language from its beginnings to the 17th century through close reading of Old and Middle Russian texts and discussion of theoretical issues. Prerequisite: Knowledge of Russian or permission of the instructor. LEC

SLAV 756 Structure of Russian: (3). Synchronous study of the contemporary Russian language with special emphasis on problems of functional morphology and syntax. Prerequisite: Three years of Russian or the equivalent. LEC

SLAV 799 M.A. Seminar in Slavic Linguistics (3). Topics in Slavic linguistics. Content will vary. May be repeated. LEC

SLAV 802 Thesis (1-6). THE

SLAV 804 Comparative Slavic Linguistics (3). An examination of the development of the Slavic languages from the Common Slavic period to the present, proceeding from Indo-European. Prerequisite: Graduate standing in Russian. LEC

SLAV 806 East Slavic Linguistics (3). An examination of the linguistic phenomena and historical development of the East Slavic languages (Russian, Belorussian, and Ukrainian). Prerequisite: Graduate standing in Russian. LEC

SLAV 808 West Slavic Linguistics (3). An examination of linguistic phenomena and historical development of the West Slavic languages (Polish, Czech, Slovak, and Upper and Lower Sorbian). LEC

SLAV 810 South Slavic Linguistics (3). An examination of linguistic phenomena and historical development of Bulgarian, Macedonian, Croatian-Serbian, Slovene. LEC

SLAV 820 Old Russian Literature: Beginnings to 1700 (3). Readings of selected texts in Russian. Prerequisite: SLAV 752. LEC

SLAV 822 Seminar in Russian Literature: Eighteenth Century (3). An investigation of specific themes or authors in the literature, culture, and thought of the 18th century. All readings in Russian. Prerequisite: Graduate standing and advanced Russian. SEM

SLAV 824 Proseminar in Methods of Teaching Slavic Languages I (1-3). Required for all teaching assistants, assistant instructors engaged in the teaching of Slavic languages and persons planning for careers in teaching Slavic languages. Combines discussion of theoretical teaching concepts with practical solution of problems arising concurrently in Slavic language courses. Prerequisites: Two or three hours will study advanced Slavic grammar topics and stylistics as they apply to the teaching of Slavic languages. LEC

SLAV 825 Investigation and Conference (1-3). Individual work in language or literature of the teaching of Slavic languages by qualified students under direction of members of the department. RSH

SLAV 826 Proseminar in Methods of Teaching Slavic Languages II (1-3). Required for all teaching assistants, assistant instructors engaged in the teaching of Slavic languages and persons planning for careers in teaching Slavic languages. Combines discussion of theoretical teaching concepts with practical solution of problems arising currently in Slavic language courses. Students enrolled for two or three hours will study advanced Slavic grammar topics and stylistics as they apply to the teaching of Slavic languages. LEC

SLAV 850 Seminar in Russian Literature: Nineteenth Century: (3). A regular seminar for graduate students, devoted to special problems in Russian literature. (Ancient Russian literature, Classicism, Romanticism, Realism, Symbolism, etc.) Designed to introduce the student to the more advanced methods in criticism, literary analysis, and research. Prerequisite: Graduate standing in Slavic Languages and Literatures. LEC

SLAV 852 Seminar in Russian Literature: Twentieth Century (3). Various topics including pre- and post-Revolutionary poetry, the prose of the 1920s, the development of Socialist Realism, individual authors, etc. LEC

SLAV 899 Ph.D. Seminar, Slavic Linguistics (3). Topics in Slavic linguistics. Content will vary. May be repeated. Prerequisite: Ph.D. student in Slavic Languages and Literatures. LEC

SLAV 912 Seminar: Topics in Contemporary Slavic Linguistics (3). Synchronic examination of specific topics, i.e., phonology, morphology, syntax, and lexicology of several Slavic languages. LEC

SLAV 914 Seminar: Topics in Historical Slavic Linguistics (3). Diachronic examination of selected topics, i.e., phonology, morphology, syntax, or lexicology, of one or more Slavic languages. LEC

SLAV 917 Seminar in Russian Culture and Society (3). Examination of selected topics in Russian cultural history, especially as treated in the works of Russian literature and intellectual history. Prerequisite: At least one course in Russian history, or one of the following courses—SLAV 502, SLAV 510, SLAV 684, SLAV 686, plus graduate standing. LEC

SLAV 932 Seminar: Topics in Slavic Folklore (3). Investigation and concentrated study of one or more themes (e.g., mythology, demonology, life rituals, folklore and literature), figures (e.g., Baba Yaga), or genres (e.g., magic tales, bylins, riddles) of Slavic folklore. All readings in Russian. Prerequisite: SLAV 630. SEM

SLAV 940 Seminar: Topics in Comparative Slavic Literature (3). Prerequisite: Graduate standing in Slavic Languages and Literatures. LEC

SLAV 999 Dissertation (1-6). THE

Turkish Course

TURK 675 Readings in Turkish: (3).

Ukrainian Courses

UKRA 512 Intensive Ukrainian I (5).

UKRA 516 Intensive Ukrainian II (5).

UKRA 675 Readings in Ukrainian Language (1-6).
**Nonthesis—Course Work Option.** Students must complete 36 hours of graduate credit (excluding any credit given for thesis and including the courses specified above under the thesis option) and a final oral examination over course work in sociology. Completion of these requirements leads to the M.A. degree but does not allow the student to proceed to doctoral study.

**Ph.D. Degree Requirements**

Regular admission to the doctoral program requires the M.A. degree with a major in sociology or a closely related field and evidence of scholarly accomplishment and capability equivalent to that demonstrated in an M.A. thesis or research paper (described above) in sociology. To receive the Ph.D. with a major in sociology, the student must

1. Obtain admission to the Ph.D. program.
2. Complete SOC 990 Ph.D. Proseminar unless SOC 790 M.A. Proseminar has been completed.
3. Carry out a program of study developed, initially, with a member of the graduate studies committee and, as soon as possible, with a doctoral advisory committee.
4. Attain the requisite levels of competence in the history and theory of sociology and in methods of sociological research by taking 9 hours of approved graduate courses in theory and completion of SOC 811 Sociological Research, SOC 812 Analytic Methods in Sociology, and one other graduate-level sociology methods course with an average grade of 3.0.
5. Complete the Foreign Language or Other Research Skills (FLORS) requirement, which may be satisfied by completion of three sociological methods courses as specified in (4) above. Additional information about the FLORS requirement can be found under Research Skills, Doctoral Degree Requirements in the General Information chapter of this catalog.
6. Pass two written examinations in special fields in sociology or related disciplines.
7. Complete three full academic years, or the bona fide equivalent, in study at this or another approved university, including time spent attaining the master’s degree.
8. Complete two semesters, normally consecutive, in study at KU. During this period, the student must be involved in full-time academic pursuits that may involve teaching or research activities. In this case, the minimum enrollment is 6 credit hours.
9. Pass an oral comprehensive examination. The candidate then enrolls for a minimum of 6 hours a semester and 3 hours a summer session until 18 hours or all requirements for the degree (whichever comes first) have been completed. If the degree is not complete after 18 hours of post-comprehensive enrollment, the candidate continues to enroll each semester and each summer session until all requirements for the degree have been met.

**Handbook for Graduate Students**

A more detailed account of advising procedures, degree requirements, and program options is set forth in the department’s *Manual of Graduate Study in Sociology*, which is sent with the application for admission to the program or given to anyone on request.

**Sociology Courses**

- SOC 500 Sociological Theory (3).
- SOC 510 Elementary Statistics and Data Analysis (3).
- SOC 520 Groups and Associations (3).
- SOC 521 Wealth, Power, and Inequality (3).
- SOC 522 American Racial and Ethnic Relations (3).
- SOC 523 Sociology of Aging and the Life Course (3).
- SOC 524 Sociology of the Economy (3).
- SOC 525 Sociology of Work (3).
- SOC 529 Globalization (3).
- SOC 530 Industrial Revolution and Capitalist Development (3).
- SOC 531 Global Social Change (3).
- SOC 532 Sociology of the Middle East (3). NW
- SOC 533 Industrialization in Developing Nations (3).
- SOC 534 Comparative Racial and Ethnic Relations (3). NW
- SOC 535 Gender in the Global Context (3).
- SOC 536 Ethnicity in the United States: _____ (3).
- SOC 560 Law and Criminal Justice (3).
- SOC 561 Sociology of Deviance (3).
- SOC 562 Sociology of Law (3).
- SOC 570 Social Conflict (3).
- SOC 571 Collective Behavior (3).
- SOC 572 Dispute Settlement (3).
- SOC 573 Sociology of Violence (3).
- SOC 598 Practicum in Crime and Delinquency Studies (3-6).
- SOC 600 Sociological Perspectives: _____ (3).
- SOC 601 Introduction to Feminist Social Theory (3).
- SOC 610 Survey Research (3).
- SOC 615 Techniques of Demographic Analysis (4).
- SOC 617 Women and Health Care (3).
- SOC 619 Political Sociology (3).
- SOC 620 Social Organization (3).
- SOC 621 Cross-Cultural Sociology (3). NW
- SOC 622 Sociology of Science (3).
- SOC 623 Women and Work (3).
- SOC 624 Sociology of Health and Medicine (3).
- SOC 625 Work Roles in Health and Medicine (3).
- SOC 626 Religion and Society (3).
- SOC 627 School and Society (3).
- SOC 628 Sociology of the Family (3).
- SOC 629 Sociology of Sport (3).
- SOC 630 Latin American Society (3).
- SOC 634 The Sociology of Culture (3).
- SOC 640 Political Islam (3). NW
- SOC 650 Transnational Migration (3).
- SOC 660 Sociology of Mental Illness (3).
- SOC 661 Causation of Crime and Delinquency (3).
- SOC 662 Corrections (3).
- SOC 671 Social Movements (3).
- SOC 672 Sociology of War and Peace (3).
- SOC 698 Individual Undergraduate Research (1-12).
- SOC 707 Seminar in Historical Sociology (1-4). Each seminar will explore problems at the intersection of sociology and history. Topics, instructors, and hours of credit will be announced in the Schedule of Classes. Seminars will be offered by different instructors on different topics and students may take more than one topic. No prerequisite. LEC
- SOC 722 Sociology of Gender (3). This course will offer a range of sociological perspectives on the role of gender in society. The particular substantive focus will vary each semester to allow flexibility for in-depth analysis of gender relationships in such areas as politics, health and aging, and work. LEC
- SOC 760 Social Inequality (3). A comprehensive review of the major theoretical and empirical approaches used in the study of institutionalized social inequality.

The graduate program in sociology allows students to develop programs emphasizing traditional and nontraditional specialties in sociology or a combination of sociology and related fields.

**KU’s Department of Sociology offered the first course in the nation in the field now called women’s studies.**
### Sociology

Reference to the origins, forms, cultural and structural variations and their changes over time, and the consequences and ideologies of social inequality. Prerequisite: A distribution course in sociology. LEC

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Notes</th>
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<tbody>
<tr>
<td>SOC 762</td>
<td>Seminar in Social Deviation and Control</td>
<td>Advanced study of theory and practice relating to deviation. May be repeated as topics vary. Prerequisite:</td>
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<tr>
<td>SOC 767</td>
<td>Gerontology Proseminar</td>
<td>A proseminar coordinated by the Gerontology Center. The proseminar explores various areas of gerontology.</td>
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<tr>
<td>SOC 770</td>
<td>Social Systems and Social Change in the United States</td>
<td>Analysis of approaches to the study of sociocultural change in America, with special emphasis on a systems perspective.</td>
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<tr>
<td>SOC 771</td>
<td>Intergroup Relations and Conflict in American Society</td>
<td>An analysis of the dynamics of intergroup relations (e.g., class, religious, ethnic, political) in America with special emphasis on the examination of major theoretical and empirical approaches employed in the study of societal conflict and consensus.</td>
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<tr>
<td>SOC 780</td>
<td>Advanced Topics in Sociology</td>
<td>Topics will vary from semester to semester and instructor to instructor to allow for in-depth analysis of particular topics.</td>
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<tr>
<td>SOC 790</td>
<td>M.A. Proseminar</td>
<td>Introduction to major disciplinary issues, departmental research specialties, faculty research interests, interdisciplinary connections, funding sources, and professional writing. Required of M.A. students entering the graduate program in sociology. May not be taken by those who have credit for SOC 690.</td>
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<tr>
<td>SOC 801</td>
<td>The Rise of Social Theory</td>
<td>This is a less structured course than an effort to trace the &quot;preclassical&quot; roots of sociological theory. We explore the rise of paradigmatic concerns in the writings of such key figures as Aristotle, Malthus, Tocqueville, Marx, Durkheim, Tawney, Talcott Parsons, Etzioni, and Durkheim.</td>
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<tr>
<td>SOC 802</td>
<td>Modern Social Theory</td>
<td>This seminar will focus on the later 19th and early 20th century &quot;theories of society,&quot; addressing the origins and developmental tendencies of Western modernity and their relation to modern social orders. Primary texts of the major theorists (e.g., Marx, Durkheim, Nietzsche, Weber, Simmel, and Mead) will be studied in historical context. The tradition's analytical and critical resources and problems will also be explored, with the course instructor and the students determining the connections between this tradition and contemporary sociological approaches will be explored.</td>
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<tr>
<td>SOC 803</td>
<td>Issues in Contemporary Theory</td>
<td>A critical examination of recent trends and debates in sociological theory. This is a theoretically oriented course in which classical and contemporary approaches to the study of social change, modernity, and the rise of transnational social movements.</td>
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<tr>
<td>SOC 804</td>
<td>Sociology of Knowledge</td>
<td>This course explores the major sociological approaches to the study of the relationship between thought and the social context. Within which will be examined is an examination of the relationship between ideology and social structures.</td>
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<tr>
<td>SOC 808</td>
<td>Feminist Theories</td>
<td>This course will explore and evaluate accounts of social structures, gender roles, and consciousness developed in the feminist literature. We will review a range of theoretical arguments, including liberal, historical, materialist, psychoanalytic, cultural, and Black feminist theories. Some of the readings will focus on the assumptions and differences within mainstream and radical feminist theory; others will focus on the development of alternative social theory using the standpoint of women as a point of departure.</td>
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<td>SOC 811</td>
<td>Sociological Research</td>
<td>The use of the scientific method to study social phenomena including the formulation and testing of hypotheses; techniques for collecting data; measuring social variables; interpreting research findings; the relationship of theory and facts. Prerequisite: A distribution course in sociology.</td>
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<td>SOC 812</td>
<td>Analytic Methods in Sociology</td>
<td>Consideration of quantitative methods of analysis including both parametric and non-parametric techniques. Prerequisite: A course in statistics.</td>
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<td>SOC 813</td>
<td>Field Methods and Participant Observation</td>
<td>A course which will acquaint the student both theoretically and empirically with the procedures and logics of the research techniques employed by individuals or small research teams conducting qualitative research. A distribution course in methods.</td>
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<td>SOC 814</td>
<td>Health Services Research: Epidemiology, Evaluation, and Survey Methods</td>
<td>Students learn the logic, assumptions, designs, and procedures involved in conducting the major types of research found in the health services field. Students develop an informed basis for critically evaluating the methodological adequacy of research studies in the areas of descriptive and analytic epidemiology, program evaluation, and health-related survey research as well as working knowledge of the research process itself. Emphasis is placed on examining the health services research literature for the methodological standards that have been developed for the evaluation of health services research.</td>
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<tr>
<td>SOC 824</td>
<td>Health and Social Behavior</td>
<td>This course provides students with an analytical understanding of the organization, professional, and interpersonal behavior that characterizes contemporary health and health care. Emphasis is placed on examination and integration of conceptual frameworks theories, and research findings bearing on basic behavioral/managerial issues such as authority relations in health care settings and the behavior and beliefs of organizational decision-makers.</td>
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The University of Kansas 2009-2011

264 THE UNIVERSITY OF KANSAS I 2009-2011
KU's doctoral program in Spanish ranked among the top five in the nation in a series of evaluations by the Conference Board of Associated Research Councils.

KU's library collection on Central America is one of the top three in the nation.

The KU academic year in Costa Rica is the oldest continually operated university exchange program between a U.S. and a Latin American university.

Spanish and Portuguese

Chair: Vicky Unruh
Graduate Student Admissions: Jorge Perez
Director of Graduate Studies: Santa Arias
Wescoe Hall, 1445 Jayhawk Blvd., Room 2650
Lawrence, KS 66045-7594, www2.ku.edu/~spanport, (785) 864-3851
Professors: Anderson, Kuhnheim, Mayhew, Unruh
Professors Emeriti: Chamberlin, Doudoroff, Johnson, Souza, Spires, Woodyard
Associate Professors: Arias, Day, Manning, Rivera, Simões
Associate Professor Emeritus: Weiss
Assistant Professors: Bayliss, Padilla, Pérez, Rossomondo, Sneed, Versteeg
Specialist: Postma-Carttar

The department offers a full graduate program leading to the M.A. and the Ph.D. degrees. Students who complete their graduate studies with the M.A. degree are well prepared to enter a variety of fields, including international business, teaching, and government. The Ph.D. program takes advantage of the literature specialties of the faculty, and Ph.D. recipients generally go on to university or college teaching.

A detailed description is available from the department office as well as the Web site. This includes specific distribution requirements, fields of specialization, and information on the comprehensive examinations. Students should request information and application forms as early as possible, especially if they plan to apply for financial aid.

Admission
Submit your application online at www2.ku.edu/graduate.ku.edu.
Send all other requested application materials to
The University of Kansas
Department of Spanish and Portuguese
Wescoe Hall, 1445 Jayhawk Blvd., Room 2650
Lawrence, KS 66045-7594

M.A. Degree Requirements
The department offers the M.A. degree with a concentration in literature or language/literature/culture.

Admission
1. The applicant must hold (or anticipate completing by the time of admission) a B.A. or B.S. degree from an accredited U.S. college or university or the equivalent degree from a foreign university; must have 15 semester hours of literature courses at the survey level or above in Spanish or the equivalent of the undergraduate major in Spanish at KU, and must have a minimum grade-point average of 3.0 on a 4.0 scale, both in Spanish and overall; and must meet general requirements.

2. Strong consideration is given to letters of recommendation, breadth and depth of preparation, and Graduate Record Examination scores, if available.

Requirements. Once admitted, the aspirant must (1) present a reading knowledge of two foreign languages, other than Spanish, appropriate to the specialization; (2) complete all course work prescribed by the advisory committee (this course work is to include a minimum of five seminars, at least four at KU, and a guideline of a minimum of 24 hours in Hispanic literatures at KU beyond the 30 hours required for the M.A. degree); (3) present a minor in a field other than Spanish or Spanish-American literature; (4) complete a minimum of two semesters of quarter-time teaching or one semester of half-time teaching in the Department of Spanish and Portuguese; (5) pass a comprehensive examination, partly written and partly oral; and (6) write and defend a dissertation.

See also the general requirements for the Doctor of Philosophy degree in the General Information chapter of this catalog.

Study Abroad
Graduate students have the opportunity to teach and conduct research during summer sessions in Puebla, Mexico; or Barcelona, Spain. The department also has a graduate exchange agreement with the University of Santiago de Compostela, Spain.

Portuguese Courses
PORT 509 Phonetics (2).
PORT 540 Textual Analysis and Critical Reading (3). HL.
PORT 547 Brazilian Studies: ______ (3).
PORT 548 Portuguese Language and Brazilian Culture for Business (3).
PORT 560 Survey of Portuguese Literature (3).

PORT 565 Studies in Brazilian Film: ____________________________ (3).

PORT 611 Accelerated Basic Portuguese for Spanish Speakers (3).

PORT 612 Accelerated Basic Portuguese for Spanish Speakers II (3).

PORT 740 Survey of Brazilian Literature (3). A survey of Brazilian literature from 1500 to present. Prerequisite: A fourth semester course in Portuguese or consent of instructor. LEC

PORT 742 The Brazilian Novel (3). The development of the novel in Brazil and analysis of representative works of the nineteenth and twentieth centuries. Prerequisite: A fourth semester course in Portuguese or consent of instructor. LEC

PORT 746 The Brazilian Short Story (3). The development of the short story in Brazil and analysis of representative works of the nineteenth and twentieth centuries. Prerequisite: A fourth semester course in Portuguese or consent of instructor. LEC

PORT 750 Brazilian Poetry (3). A study of the principal movements and an analysis of representative works from the colonial period to the present. Emphasis on modernists and post-modernists. Prerequisite: A fourth semester course in Portuguese or consent of instructor. LEC

PORT 760 Contemporary Brazilian Literature (5). A survey of Brazilian cultural expressions and literature in the Twentieth Century. Conducted in Portuguese. Prerequisite: PORT 216 or consent of instructor. LEC

PORT 780 Special Readings in Portuguese and Brazilian Literature (1-3). May be taken more than once; total credit not to exceed five hours. Directed private readings with individualized treatment. Consent of department required. LEC

PORT 785 Special Topics in Brazilian Cultural and Literary Studies: ____________________________ (3). Topics vary by semester. The course may be taken more than once, with full credit, provided there is no duplication in the material covered. Conducted in Portuguese. LEC

PORT 930 Seminar in Portuguese Literature: ____________________________ (3). LEC

PORT 970 Seminar in Brazilian Literature: ____________________________ (3). LEC

Spanish Courses

SPAN 500 Hispanic Literature in Translation: ____________________________ (3).

SPAN 520 Structure of Spanish (3).

SPAN 522 Advanced Studies in Spanish Language: ____________________________ (3).

SPAN 540 Colloquium on Hispanic Studies: ____________________________ (5).

SPAN 550 Colloquium on Spanish Film (3).

SPAN 560 Colloquium on Latin American Film (3).

SPAN 566 Latin American Literature (3).

SPAN 568 Spanish Ballads (3).

SPAN 570 Studies in Hispanic Linguistics: ____________________________ (3).

SPAN 681 Language Teaching for Oral Proficiency (1).

SPAN 717 History of the Spanish Language (3). The phonological and lexical development of the Spanish language from spoken Latin to the present; major dialectal features. Prerequisite: A course in Spanish phonetics. LEC

SPAN 720 Syntax and Composition (3). Syntactical analysis of modern Spanish usage; principles of expository writing. Prerequisite: A course in advanced composition or structure, or graduate standing. LEC

SPAN 722 Special Topics in Spanish Literature: ____________________________ (2-3). The content of this course will vary and the course may be taken more than once with full credit, provided there is no duplication in the material studied. Prerequisite: A course survey in Spanish literature from its beginning through the present, or graduate standing. LEC

SPAN 730 Literature of 13th- and 14th-Century Spain (3). A critical survey of representative works from 13th- and 14th-century Castile. Prerequisite: Survey course(s) in Spanish literature from its beginning through the present or graduate standing. LEC

SPAN 733 Print Culture in Early Modern Spain (3). A study of the literature produced during the period of early printed books with emphasis on the diffusion of new literary forms during the late 15th- and early 16th-centuries. Prerequisite: Survey course in Spanish literature from its beginning through the present, or graduate standing. LEC

SPAN 735 Poetry and Sentimental Romance in 15th-Century Castile (3). Survey of the poetry and prose of the fifteenth century with particular attention to the literature produced during the reign of the Catholic Kings. Prerequisite: Survey course in Spanish literature from its beginning through the present, or graduate standing. LEC

SPAN 739 Spanish Drama of the Golden Age (3). Selected plays of such authors as Lope de Vega, Alarcón, Tirso de Molina, Calderón, and Moreto. Prerequisite: A survey of Spanish literature through the Golden Age. LEC

SPAN 740 Lope de Vega and His School (3). Intensive study of selected works by Lope de Vega, Tirso de Molina, Guillermina de Castro, Mira de Alarcón, and others. Prerequisite: SPAN 739 or equivalent. LEC

SPAN 741 Calderón and His School (3). Intensive study of selected works by Calderón de la Barca, Rojas Zorrilla, and Agustín Moreto. Prerequisite: SPAN 739 or equivalent. LEC

SPAN 742 The Spanish Novel in the Renaissance and Golden Age (3). From the Celestina to the middle of the 17th century. Prerequisite: A survey course of Spanish literature through the Golden Age. LEC

SPAN 744 Spanish Lyric Poetry of the Golden Age (3). A survey of Spanish poetry from Garcilaso de la Vega through Quevedo including both major and minor poets. Prerequisite: A survey level course on Spanish literature through 1700. LEC

SPAN 745 Don Quijote (3). Linguistic and literary study. Examination of traditional interpretations. The life and thought of Cervantes. Collaborative readings. Prerequisite: A survey of Spanish literature through the Golden Age. LEC

SPAN 747 The Spanish Theatre before Lope de Vega (3). Prerequisite: A course in Spanish drama of the Golden Age. LEC

SPAN 752 Spanish Literature of the 18th Century (3). The neo-classic movement; the traditionalist reaction; the beginnings of Romanticism. Prerequisite: A survey course in Spanish literature from the 18th century to the present. LEC

SPAN 754 Romanticism (3). The development of the Romantic movement in Spain. Prerequisite: A survey course in Spanish literature from the 18th century to the present. LEC

SPAN 755 Nineteenth-Century Spanish Novel (3). The rise and development of realism. Prerequisite: A survey course in Spanish literature from the 18th century to the present. LEC

SPAN 760 Nineteenth-Century Spanish Drama (3). A survey of the main currents and aesthetic trends in the nineteenth-century Spanish theatre: NeoClassicism, Romanticism, Costumbrismo, Realismo (Alta Comedia), NeoRomanticism, and the innovations of Galdos and Benavente. Prerequisite: A survey course in Spanish literature from the 18th century to the present. LEC

SPAN 761 Twentieth-Century Spanish Drama (3). A survey of major plays and playwrights of 20th century Spain with reference to critical theory of text as literature and performance. LEC

SPAN 762 The Spanish Novel Since the Civil War (3). A study of the major works and movements occurring since the Spanish Civil War. LEC

SPAN 764 Modern Spanish Poetry (3). Modern poetry of Spain, beginning with Becquer and ending with the “Generation of the 1960’s.” Close study of the works of the major poets: readings in poetic theory. Prerequisite: A general survey course in Spanish literature from its beginning through the present or equivalent. LEC

SPAN 765 Contemporary Spanish Poetry (3). Contemporary poetry of Spain, beginning with the “Generation of the 1960’s” and including the post-Civil War period. Close study of the work of several poets; readings in poetic theory. Prerequisite: A general survey course in the literature of Spain since the Golden Age. LEC

SPAN 770 Spanish Lyric Poetry of the Golden Age (3). A diachronic study of the syntax and morphology of Spanish from the thirteenth century to the present; sound change and orthography; evolution of literary styles. Prerequisite: A course in Spanish phonetics. LEC

SPAN 777 Spanish-American Drama (3). Study of several exceptional plays of 20th century Spanish America in light of critical methodologies, national theatre movements, and performance aspects. LEC

SPAN 771 Spanish-American Literature: ____________________________ (3). A survey by region or country (Mexican literature, Cuban literature, Argentine literature, Caribbean literature, etc.) of Spanish American literature from the beginning to the present, with emphasis on the 19th and 20th centuries. Course title may vary by country or region. Prerequisite: A survey course in Spanish American literature. LEC

SPAN 772 The Modern Spanish-American Novel, 1900-1950 (3). A study of selected novels in Spanish America from the 1900 to 1950. Topics may vary. Prerequisite: A course course in Spanish American literature. LEC


SPAN 774 Spanish-American Poetry (3). Major poets, since 1914, with emphasis on Vallejo, Borges, Neruda, and Paz. LEC

SPAN 776 Spanish-American Short Story (3). A study of aspects of the short story tradition in Spanish America from its origins to the present. Topics may vary. Prerequisite: A survey course in Spanish American literature. LEC

SPAN 781 Spanish-American Colonial Studies (3). A survey of the intellectual life and literary culture of Spanish America from the Iberian conquest until Independence. Prerequisite: A survey course in Spanish American literature. LEC

SPAN 782 Spanish-American Prose Fiction: ____________________________ (3). A survey by region or country (Mexican Prose Fiction, Cuban Prose Fiction, Argentine Prose Fiction, Caribbean Prose Fiction, etc.) of Spanish American Prose Fiction from the beginning to the present, with emphasis on the 19th and 20th centuries. Course title will vary by country or region. Prerequisite: A survey course in Spanish American literature. LEC

SPAN 784 Spanish-American Modernism and Vanguards (3). A study of the poetry of modernismo and the vanguardos in Spanish America. Prerequisite: One course in Spanish American literature or permission of instructor. LEC

SPAN 785 Special Topics in Spanish-American Literature: ____________________________ (2-3). The content of this course will vary, and the course may be taken more than once with full credit provided there is no duplication in the material covered. Prerequisite: A survey course in Spanish American literature. LEC

SPAN 790 Spanish Linguistics: Theory and Application to Teaching (3). An introduction to linguistics and applied linguistics focused on the phonology, morphology, and syntax of Spanish, including work in grammatical and transformational grammar. Part of the course deals with problems of language instruction, testing, and use of the laboratory language. LEC

SPAN 791 The Picaresque Novel (3). A survey of the picaresque mode in Hispanic literature, and detailed analysis of selected texts. Prerequisite: A survey course in Spanish or Spanish American literature. LEC

SPAN 795 Literary Theory and Criticism (3). Systematic study of the development of theories of literature. Emphasis usually placed on nineteenth century although scope may vary. Prerequisite: 700-level course in Spanish or concurrent enrollment. LEC

SPAN 801 Teaching Spanish in Institutions of Higher Learning (3). Required of all terminal degree candidates who teach beginning Spanish at The University of Kansas for the first time. Instruction in classroom procedures for first year Spanish, demonstration of teaching techniques, and survey of current methodology. FLD

SPAN 802 Colloquium in Methods of Teaching Spanish Language (1-3). Combines discussion of theoretical teaching concepts and development of pedagogical mater-
rials with practical solutions to problems arising concurrently in Spanish language courses. Required for all GTAs teaching Spanish at the 100 and 200 levels. LEC.
SPAN 817 Spanish Historical Grammar (3). A diachronic study of the syntax and morphology of Spanish from the thirteenth century to the present; sound change and orthography; evolution of literary styles. Prerequisite: A course in Spanish phonetics. LEC.
SPAN 898 Investigation and Conference (1-10). Individually directed work to fill the student's needs not met by available organized courses. One to three hours of credit in any semester. Maximum total credit for the M.A. degree is three hours. May be taken with full credit as often as recommended by department. THE.
SPAN 922 Seminar in Spanish Literature and Culture: ______ (3). An intensive investigation of a particular topic in Spanish Literature and Culture; content will vary in terms of topics, genres, and time periods covered. The course may be taken more than once with full credit, provided there is no duplication. Prerequisite: Graduate standing. LEC.
SPAN 940 Seminar in Trans-Atlantic Literatures and Cultures: ______ (3). An intensive investigation of a particular topic in Spanish and Latin American Literatures and Cultures; content will vary in terms of topics, genres, and time periods covered. The course may be taken more than once, with full credit provided there is no duplication. Prerequisite: Graduate standing. SEM.
SPAN 950 Seminar: Spanish Drama: ______ (3). LEC.
SPAN 952 Seminar: Spanish Novel: ______ (3). LEC.
SPAN 954 Seminar: Spanish Poetry: ______ (3). LEC.
SPAN 956 Seminar: Spanish Short Story: ______ (3). LEC.
SPAN 958 Seminar: Spanish Essay: ______ (3). LEC.
SPAN 961 Seminar: Medieval Literature: ______ (3). LEC.
SPAN 962 Seminar: Cervantes: ______ (3). LEC.
SPAN 970 Seminar: Spanish-American Drama: ______ (3). LEC.
SPAN 972 Seminar: Spanish-American Novel: ______ (3). LEC.
SPAN 974 Seminar: Spanish-American Poetry: ______ (3). LEC.
SPAN 976 Seminar: Spanish-American Short Story: ______ (3). LEC.
SPAN 985 Seminar in Spanish-American Literature and Culture: ______ (3). An intensive investigation of a particular topic in Spanish American Literatures and Cultures; content will vary in terms of topics, genres, and time periods covered. The course may be taken more than once, with full credit provided there is no duplication. Prerequisite: Graduate standing. SEM.
SPAN 999 Dissertation (1-12). THE.

Speech
See Communication Studies.

Speech-Language-Hearing: Sciences and Disorders
For a description of master’s and doctoral degree programs, see Communicative Disorders: Intercampus Program in this chapter of the catalog.
For Audiology courses, see Communicative Disorders: Intercampus Program in the School of Allied Health chapter. For Speech-Language Pathology courses, see Communicative Disorders: Intercampus Program in this chapter.

Systematics and Ecology
See Biological Sciences: Ecology and Evolutionary Biology.

Theatre
See Theatre in the College of Liberal Arts and Sciences: School of the Arts chapter of this catalog.

Turkish
See Slavic Languages and Literatures.

Ukrainian
See Slavic Languages and Literatures.

Visual Art
See Visual Art in the College of Liberal Arts and Sciences: School of the Arts chapter of this catalog.

Women, Gender, and Sexuality Studies
Director: John G. Younger
Bailey Hall, 1440 Jayhawk Blvd., Room 213
Lawrence, KS 66045-7545,
www.womenandgender.ku.edu, (785) 864-2310
Professors: Muehlenhard, Schofield, Younger
Associate Professors: Ajayi-Soyinka, Britton, Vicente
Assistant Professors: Hart, Saraswati, Takeyama


The Women, Gender, and Sexuality Studies Program supports interdisciplinary research on women, gender, and sexuality and administers an interdisciplinary program leading to a graduate certificate in women, gender, and sexuality studies. Additional cross-referenced courses are available. Students may pursue the graduate certificate in addition to a graduate degree or as a stand-alone program.

Admission
Admission requires a bachelor’s degree and acceptance by Graduate Studies. Submit your application at www.grad.ku.edu. If you are applying to a specific M.A. or Ph.D. program, submit your application, fees, letters of recommendation, Graduate Record Examination scores, official transcripts, and any other requested materials to that program. Once you are accepted by that program, send to WGSS at the address below a recent transcript and a cover letter expressing your desire to earn the WGSS graduate certificate. If you are applying as a nondegree-seeking student and have been accepted by Graduate Studies, send two letters of recommendation and a cover letter expressing your desire to earn the WGSS graduate certificate to
The University of Kansas
Women, Gender, and Sexuality Studies Program
Bailey Hall, 1440 Jayhawk Blvd., Room 213
Lawrence, KS 66045-7545
Graduate Certificate Requirements

The graduate certificate requires completion of 12 credit hours of graduate work, including WGS 801 Women and Gender Studies: Theory and Methods; WGS 898 Research Colloquium; and two 3-hour electives from two different disciplines, chosen from a list of recommended graduate courses or approved by the graduate director.

Required Graduate Courses (6 credit hours).
- WGS 801 Women and Gender Studies: Theory and Methods (3)
- WGS 898 Research Colloquium (3)

Recommended Graduate Electives (6 credit hours).
- WGS 510/AMS 510/HIST 530 History of American Women: Colonial Times to 1870 (3)
- WGS 511/AMS 511/HIST 531 History of American Women: 1870 to Present (3)
- WGS 512/AMS 512/HIST 532 History of Women and Work in Comparative Perspective (3)
- WGS 520 Women and Violence (3)
- WGS 549/HIST 649 History of Feminist Theory (3)
- WGS 560/AAAS 560 Race, Gender, and Post-Colonial Discourses (3)
- WGS 562/POLS 562 Women and Politics (3)
- WGS 580 Feminism and Anthropology (3)
- WGS 600/POLS 600 Contemporary Feminist Political Theory (3)
- WGS 601 Seminar in Women, Gender, and Sexuality Studies (3)
- WGS 646/HIST 646 Witches in European History and Historiography (3)
- WGS 651/POLS 651 Women and Politics in Latin America (3)
- WGS 660 Human Reproduction: Culture, Power, and Politics (3)
- WGS 665 Women, Health, and Healing in Latin America (3)
- WGS 666 Women, Gender, and Sexuality Studies Graduate Certificate program. Members of the seminar will present their work on women and gender systems. (Same as AMS 835 and HIST 895.) LEC

WGSS 696 Studies in: _____ (3). This course will be intensive interdisciplinary overview of the major theories and research approaches in literature on women and gender. The topics covered will include the following: 1) an overview of feminist theories; 2) an overview of how feminist theories can be integrated with research methods in various disciplines; and 3) examples of applications of feminist theories and methods to specific content areas. Open only to graduate students. LEC

WGSS 697 Directed Readings (1-6). Intensive consideration of the major theories and research approaches in literature on women and gender. Students will be expected to attend the Gender Seminar of the Hall Center for Women, Gender and Sexuality Studies Graduate Certificate program. Members of the seminar will present their work on women and gender systems. (Same as AMS 836 and HIST 896.) LEC

Recommended Graduate Electives (6 credit hours).
- WGSS 835 Colloquium in United States Women’s History (3). This colloquium will cover theoretical and topical readings on the history of woman in at least two different cultures. (Same as AMS 835 and HIST 895.) LEC
- WGSS 836 Colloquium in United States Women’s History (3). This colloquium will cover theoretical and topical readings on the history of women in the United States from the pre-contact period to the present. It is designed to familiarize students with the most important and current historiography in the field. (Same as AMS 836 and HIST 896.) LEC
- WGSS 837 Comparative Colloquium in Women’s History (3). This colloquium will focus on the history of women from a comparative perspective through theoretical and topical readings on women in at least two different cultures. (Same as AMS 837 and HIST 897.) LEC
- WGSS 873 Seminar in United States Women’s History (3). This seminar will focus on the history of women in the United States from the pre-contact period to the present. Students will research and write a paper on a primary source, and present those papers to the seminar for evaluation. (Same as HIST 973 and AM S 973.) LEC
- WGSS 880 Advanced Feminist Anthropology: _____ (3-6). Intensive consideration of special problems in feminist anthropology. Topics for the semester to be announced. May be repeated for a total of six hours credit. (Same as ANTH 880.) Prerequisite: Permission of instructor. LEC
- WGSS 898 Research Colloquium (3). This course is the “capstone” to the Women’s Studies Graduate Certificate program. Members of the seminar will produce a major paper and will share their research. During the first part of the term a small number of visitors (professors at KU and/or visiting speakers from other universities) will be invited to assign readings and subsequently present their work on women and gender. Students will be expected to attend the Gender Seminar of the Hall Center for the Humanities. Prerequisite: WGSS 801 and at least 3 hours of other graduate work in the Women’s Studies graduate certificate program, or by special permission. LEC

See the College of Liberal Arts and Sciences: School of the Arts chapter of this catalog for graduate programs in film and media studies, theatre, and visual art.

See the College of Liberal Arts and Sciences: School of the Arts and the School of Architecture, Design and Planning chapters of this catalog for graduate programs in design.

Women, Gender, & Sexuality Studies

See Biological Sciences: Ecology and Evolutionary Biology.

Zoology