Meeting of the College Academic Council  
College of Liberal Arts & Sciences -- 210 Strong Hall  
November 8, 2011 - 4:00 p.m.  
AGENDA

I. APPROVAL OF THE OCTOBER 18, 2011 CAC MINUTES

II. REPORT OF THE COMMITTEE ON GRADUATE STUDIES (CGS)  
Submitted by Katie Rockey; presented by Ed Morris, 2011-2012 CGS Chair

A. Curricular Changes for Approval  
1. New courses: ABSC 981, ANTH 734, CHEM 844, LING 734  
2. Course changes: CHEM 996, THR 703

B. Program Changes for Approval  
1. Communication Studies Ph.D. program change proposal  
(see agenda addendum)  
2. Philosophy Ph.D. program change proposal  
3. Theater MFA program change proposal

C. Reports  
1. Responsible Scholarship and Research Skills Proposals  
   • Philosophy

III. REPORT OF THE COMMITTEE ON UNDERGRADUATE STUDIES & ADVISING (CUSA)  
Submitted by Karen Ledom; presented by Chris Fischer, 2011-2012 CUSA Chair

A. Curricular Changes for Approval  
1. New Courses: ABSC 470, ABSC 682, BIOL 648, CLSX 515, CLSX 516, GEOG 500, ITAL 103, ITAL 203, HIST 124, SLAV 626, WGSS 515, WGSS 516  
2. Deleted/Deactivated Courses: BIOL 631, CHEM 631, CLSX 315, WGSS 315  
3. Course Changes: BIOL 440, BIOL 550(428), EVRN 460, ATMO 699, LAA 100, SLAV 522, PORT 509, SPAN 300, SPAN 326, SPAN 328, SPAN 428, SPAN 464, SPAN 550, SPAN 560, SPAN 570

B. Degree Requirements for Approval  
1. New Option within Applied Behavioral Science BA and BGS – Organizational Behavior Management and Research Practice  
2. Change to Existing BA Biochemistry Major  
3. Change to Existing BS Biochemistry Major  
4. Change to Existing BS Biology – Genetics Major  
5. Change to Existing BA Biology Major  
6. Change to Existing BA Human Biology Major  
7. Change to Existing BS Biology – Ecology and Evolutionary Biology Major  
8. Change to Existing BS Biology – Organismal Major  
9. Change to Existing BS Biology – Teaching Biology Major  
10. Change to Existing Mathematics Major  
11. Change to Existing BA Slavic Languages and Literatures Major  
12. Change to Existing Geography Major – BA and BGS

Next meeting of the CAC will be Tuesday, December 13, 2011, at 4:00 PM in 210 Strong Hall
I. APPROVAL OF THE OCTOBER 18, 2011 CAC MINUTES

College of Liberal Arts & Sciences
College Academic Council
Minutes – October 18, 2011

Others in attendance: Ann Cudd, Chris Fischer, Joe Harrington, Liz Kowalchuk, Kim McNeley, Jim Mielke, Ed Morris, Anne Sawyer, Michael Zogry

The meeting was called to order by Associate Dean Ann Cudd at 4:00 PM.

Minutes
A motion was made and seconded to approve the September 13, 2011 minutes of the College Academic Council as written. The motion was approved unanimously, with one (1) abstention.

Report of the Committee on Graduate Studies (CGS)
(Ed Morris, 2011-2012 CGS Chair, reporting)

- The motion (CGS report by Ed Morris) was seconded, and the CAC voted unanimously to approve the following curricular changes:
  - New courses: ENGL 897 and PHIL 800
- The motion (CGS report by Ed Morris) was seconded, and the CAC voted unanimously to approve the following curricular change, pending clarification:
  - New course: THR 801
- The motion (CGS report by Ed Morris) was seconded, and the CAC voted unanimously to approve the following program change, after presentation by Professor Joe Harrington from the English Department:
  - English M.A. and Ph.D.
- The motion (CGS report by Ed Morris) was seconded, and the CAC voted unanimously to approve the following program change:
  - ISP Ph.D.
- The CAC received the following report from the CGS:
  - Responsible Scholarship and Research Skills Proposals

Report of the Committee on Undergraduate Studies & Advising (CUSA)
(Chris Fischer, 2011-2012 CUSA Chair, reporting)

- The motion (CUSA report by Chris Fischer) was seconded, and the CAC voted unanimously to approve the following curricular changes:
  - New courses: BIOL 655, ENGL 301, ENGL 302, ENGL 317, ENGL 318, FARS 210, FARS 220, LAA 450, SLAV 675, TAJ 110, TAJ 120, TAJ 210, TAJ 220, WGSS 563
  - Course changes: AMS 554, AMS 555, ENGL 576, ENGL 577, ENGL 674 GEOL 560, GIST 110, GIST 120, MATH 101, MATH 103, MATH 116, MATH 122, MATH 450, TD 214, TD 215
Course deletions: HIST 322, HIST 323, HIST 342, HIST 344, HIST 526, HIST 539, HIST 550, HIST 553, HIST 566, HIST 567, HIST 569, HIST 581, HIST 606, HIST 607, HIST 627, HIST 634, HIST 639, HIST 651, MATH 106, MATH 280

- The motion (CUSA report by Chris Fischer) was seconded, and the CAC voted unanimously to approve the following degree requirements:
  1. Change to Existing BS Biology Major – Genetics, Neurobiology, and Organismal options
  2. Change to Existing Human Biology Major
  3. Change to Existing Visual Art Major – Textiles/Fibers option

- The motion (CUSA report by Chris Fischer) was seconded, and the CAC voted unanimously to approve the following:
  1. Request to move oversight of Hindi language from Religious Studies to Global and International Studies

After receiving a motion and a second, the CAC voted unanimously to adjourn the meeting at 4:25 PM.

Next College Academic Council Meeting: Tuesday, November 9, 2011, 4:00 PM (210 Strong Hall)

Minutes recorded and transcribed by Anne Sawyer (Secretary to the College Assembly)

II. REPORT OF THE COMMITTEE ON GRADUATE STUDIES (CGS)
Submitted by Katie Rockey; presented by Ed Morris, 2011-2012 CGS Chair

A. Summary of Curricular Changes

1. New courses

APPLIED BEHAVIORAL SCIENCES

ABSC 981 History of Applied Behavioral Science (3) An advanced graduate seminar on the long past, short history, recent origins, and modern history of applied behavioral science. This includes the field’s history, internally: its conceptual system, sciences and discipline, profession, and institutions. It also includes the field’s history, externally, for instance, the history of Western philosophy, science, American culture, and the behavioral and social sciences. Historiographic issues are addressed throughout. Prerequisite: ABSC 798 and Master’s degree in ABS or instructor permission. SEM

JUSTIFICATION
The historiography of applied behavioral science has grown to such an extent that it warrants a course of its own as an option to ABSC 921 (History and Systems of Psychology) and, eventually, as a likely replacement for ABSC 921 in the ABS graduate curriculum.

ANTHROPOLOGY

ANTH 734 Language Evolution (3). Human language demonstrates a level of complexity not found in the communicative systems of other species. This course focuses on the development of human language, so as to
obtain a better understanding of the origin and development of human language. Questions addressed include: what features of language are distinct from other communicative system, when did human language originate, in what stages did human language evolve, and how does language relate to properties of the human brain and mind? Data from a variety of disciplines will be considered, including primatology, human development, cognition, evolutionary biology, archaeology, and linguistics. (Same as LING 734.) Prerequisite: ANTH/LING 106/107 or LING 708/ANTH 736 or ANTH 725. LEC

JUSTIFICATION
For Linguistic, Biological, Archaeological, and other Anthropology students, this course provides the opportunity to explore a rapidly-developing interdisciplinary field. Now that the Anthropology Department has two Linguistic Anthropologists, we are building a niche program and attracting more MA/PhD students in these fields. We need to regularly offer these introductions to specialty disciplines, before the students begin their graduate research. Interested students would generally take this course in their 3rd semester (MA) or later (PhD). Besides Anthropology and Linguistics students, we expect this course to generate strong interest in Psychology.

CHEMISTRY

CHEM 844 Problem Solving in Organic Chemistry (1). A course designed to develop a student’s ability to apply fundamental concepts of mechanistic organic and organometallic chemistry, physical organic chemistry, bioorganic chemistry, synthetic organic reactions and techniques for structure elucidation. Students will propose solutions to practice problems mimicking challenges that arise in contemporary research in organic chemistry. The format includes interactive problem-solving discussions led by faculty and peers and monthly written examinations. May be repeated up to three times until the student has passed at least four of the written exams. Prerequisite: CHEM 740 or permission of instructor. SEM

JUSTIFICATION
We have recently made several changes to our graduate program to make it more flexible and effective for student training. One of the changes was to eliminate cumulative exams, which all graduate students were previously required to take and pass a certain number before they could take their oral exam for doctoral candidacy. This system worked well for some subfields of chemistry but not others. In this proposed course, a formal avenue for this type of training for the subfield of Organic Chemistry, where this teaching approach is particularly effective, is provided.

LINGUISTICS

LING 734 Language Evolution (3). Human language demonstrates a level of complexity not found in the communicative systems of other species. This course focuses on the development of human language, so as to obtain a better understanding of the origin and development of human language. Questions addressed include: what features of language are distinct from other communicative system, when did human language originate, in what stages did human language evolve, and how does language relate to properties of the human brain and mind? Data from a variety of disciplines will be considered, including primatology, human development, cognition, evolutionary biology, archaeology, and linguistics. (Same as ANTH 734.) Prerequisite: ANTH/LING 106/107 or LING 708/ANTH 736 or ANTH 725. LEC

JUSTIFICATION
For Linguistic, Biological, Archaeological, and other Anthropology students, this course provides the opportunity to explore a rapidly-developing interdisciplinary field. Now that the Anthropology Department has two Linguistic Anthropologists, they are building a niche program and attracting more MA/PhD students in these fields. We need to regularly offer these introductions to specialty disciplines, before the students begin their graduate research. Interested students would generally take this course in their 3rd semester (MA) or later (PhD). Besides Anthropology and Linguistics students, we expect this course to generate strong interest in Psychology.
2. Course changes

CHEMISTRY

CHANGE: DESCRIPTION, NUMBER, AND PREREQUISITE

(OLD)
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

(NEW)
CHEM 970 College Teaching Experience in Chemistry (3). A student will engage in a semester-long, planned instructional activity that shall include college classroom teaching under the supervision of a chemistry department faculty member. Prerequisite: Two semesters as a graduate teaching assistant. LEC

JUSTIFICATION
On the course formerly known as CHEM 996, the idea was that one (or maybe two) students would be taught by one faculty member. We would not list a separate section of CHEM 996 for each faculty member, but the appropriate person would be scheduled to teach the course depending on who is enrolled (and what their college teaching experience is anticipated to be) in a given semester. Independent study would probably more appropriate - at least compared to LEC or SEM.

THEATRE

CHANGE: DESCRIPTION AND TITLE

(OLD)
THR 703 Readings in Dramatic Literature (1-3) Survey of selected dramatic literature and commentaries. May be repeated up to a total of six credits on petition. LEC

(NEW)
THR 703 Directed Readings in Theatre (1-3) Research reading and presentation of reports on specific subjects related to the students major area of specialization. May be repeated up to a total of six credits on petition. Required of all MFA Scenography students. LEC

JUSTIFICATION
We are changing the course to reflect the change in departmental alignment. Our MFA students were previously required to take ADS730 Reading in Design, but with a theatre professor. Now that this degree program exists solely within the THR dept. This class description should be changed to allow for their participation.

B. Program Changes

1. Communication Studies Ph.D. program change proposal

The requested changes to this degree or certificate program are: Current Research Skills Requirement

The reasons given for this change are these: The change will help us better focus on methodological training in specific areas of the program. We were asked to provide a list of courses that fall into the various methodological foci and have updated the list
2. Philosophy Ph.D. program change proposal

**Current Number of Hours Requirement:** Currently, we require students to take 48 overall hours of philosophy graduate coursework.

**Proposed:** We propose to reduce the number of overall coursework hours from 48 to 39.

**The reasons given for this change are these:** The Department of Philosophy's current total coursework hours requirement is currently outside the disciplinary standard, it is onerous without contributing to graduate student success, and increases time to degree. The change was unanimously approved by the department, March 16, 2011. In addition, I should like to make clear that this is only a change in the total hour requirement. It is not a change in any of the distribution requirements, it is not a change in the number of required courses numbered 800+, nor is it a change in the RSRS requirement. Currently, a student could fulfill all of his or her distribution requirements and still be required to take 18 hours of elective coursework. We propose only to reduce the elective courses students are required to take. This change will have no impact on any other requirements of the department.

3. Theater MFA program change proposal

**Current Courses Requirement:** ADS 730 Directed Readings in Design.

**Proposed:** THR 703 Directed Reading in Theatre.

**Reasoning:** We are changing the course requirement to reflect the change in departmental alignment. Our MFA students were previously required to take ADS730 Reading in Design, but with a theatre professor. Now that this degree program exists solely within the THR dept. This class description and requirement should be changed to keep the student and professor's work within the THR Department.

C. Responsible Scholarship and Research Skills (RS²) Proposals

The following proposals have been reviewed and approved to move forward to the Office of Research and Graduate Studies:

**Philosophy RS² Proposal**

**PHIL 800 Tutorial** (3). Intensive supervised training in and application of 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. RSRS requirements. Consent of instructor required for repeating the course. Prerequisite: Graduate standing. 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 examination conducted by a three-member faculty committee (including the director). Prerequisite: Students must be admitted to the Ph.D. program and have successfully completed the Ph.D. core courses requirement. RSH

**The requested changes to this degree or certificate program are:** Current Research Skills Requirement
Proposed: To satisfy the departmental requirement in research skills and responsible scholarship, each student must satisfactorily complete PHIL 800: Tutorial, PHIL 901: Ph.D. Tutorial, and either show competence in an approved foreign language or complete a faculty-approved course in a discipline related to a student's research interests.
The reasons given for this change are these: This change brings our catalog copy in line with our proposed RSRS requirement, as described in a program change form dated 03/17/2011. This change was requested by CGS 04/14/2011, and was communicated to me 08/02/2011.

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III. REPORT OF THE COMMITTEE ON UNDERGRADUATE STUDIES & ADVISING (CUSA)

Submitted by Karen Ledom; presented by Chris Fischer, 2011-2012 CUSA Chair

A. Curricular Changes for Approval

APPLIED BEHAVIORAL SCIENCE

CHANGE: NEW COURSE
ABSC 470 ORGANIZATIONAL BEHAVIOR MANAGEMENT 3 S
This course offers detailed discussion of the organizational behavior management (OBM) literature including performance management, behavioral systems analysis, and behavior-based safety. This course also addresses empirically supported staff training procedures and research in implementation science. Students assist with OBM-relevant research and develop skills in both translational and applied OBM research. Prerequisite: ABSC 100.

CHANGE: NEW COURSE
ABSC 682 ORGANIZATIONAL BEHAVIOR MANAGEMENT PRACTICUM 1-5 S
This practicum course is designed to provide training and support practice in addressing socially significant problems and goals of community-based organizations using behavior analysis to guide assessment and intervention. Additionally, this course promotes community-university partnerships to support change and improvement in organizations through service learning. All practicum students are required to have previously completed ABSC 100 and selected applied behavioral science as a major or minor.

BIOLOGY

CHANGE: PREREQUISITE
BIOL 440 ADVANCED HUMAN ANATOMY 6 N (OLD)
Integrated lecture and laboratory course designed to provide students with a detailed understanding of the structure of the human body. Cadaver dissection will reinforce three-dimensional relationships discussed in lecture and each of the main organ systems will be considered using a regional approach to the body. Not open to students who have taken BIOL 240. Prerequisite: BIOL 152. LEC

BIOL 440 ADVANCED HUMAN ANATOMY 6 N (NEW)
Integrated lecture and laboratory course designed to provide students with a detailed understanding of the structure of the human body. Cadaver dissection will reinforce three-dimensional relationships discussed in lecture and each of the main organ systems will be considered using a regional approach to the body. Prerequisite: BIOL 152 or equivalent; BIOL 240, 241, or 242; and instructor consent.

CHANGE: COURSE DESCRIPTION NUMBER
BIOL 550 INTRODUCTION TO SYSTEMATICS 3 N (OLD)
Basic elements of systematic theory and practice; discussion of the needs and aims of taxonomy; species and speciation; principles of nomenclature and classification; phylogenetic reconstruction; evolutionary processes and patterns of species diversity; analysis of systematic evidence; construction of keys, synopses, monographs, and revisions. Prerequisite: BIOL 152 or BIOL 153. Not intended for graduate students planning to specialize in systematics. LEC Prerequisite:

BIOL 428 INTRODUCTION TO SYSTEMATICS 3 N (NEW)
Basic elements of systematic theory and practice; phylogenetic reconstruction using morphological and molecular data; interpretation of phylogenetic hypotheses; principles of nomenclature and classification; evolutionary processes and patterns of species diversity; discussion of the aims and
needs of taxonomy; species and speciation; construction of keys; significance of biological collections. Prerequisite: BIOL 152 or BIOL 153. Not intended for students with advanced systematics background.

CHANGE: DELETE COURSE
BIOL 631 BIOMOLECULAR MODELING AND SIMULATION 3 N
Computational biology course designed to introduce the most important and basic concepts, methods, and tools used in biomolecular modeling and computer simulations. Topics include (but are not limited to) molecular mechanics, minimization, molecular dynamics, Monte Carlo simulation, explicit and implicit solvation, continuum electrostatics, statistical mechanics, advanced sampling techniques, and free energy calculations. The understanding of these concepts and algorithms as well as their applications to well-defined practical examples involving currently important biological problems are emphasized. The class is divided into a 2-hour lecture and 1-hour computer laboratory. (Same as CHEM 631.) Prerequisite: CHEM 184 and 188; MATH 115 or MATH 121; PHSX 114 and 115 or PHSX 211 and 212; Or permission of instructor. LEC

CHANGE: NEW COURSE
BIOL 648 SYSTEMATICS AND MACROEVOLUTION 3 N
An introduction to the theory of macroevolution and the fundamental principles of systematics. Intended for students planning to pursue advanced studies in organismal biology, evolution, and/or systematics. Topics in macroevolution will include hierarchy theory, species concepts, speciation and species selection. Methods of phylogenetic estimation will be discussed and include parsimony, Maximum likelihood and Baysian inference. Evolutionary studies utilizing phylogenies including tests of homology, studies of character evolution, and biogeography will be discussed. An overview of classification and nomenclature will also be provided. Prerequisites: BIOL 412 or equivalent.

CHEMISTRY

CHANGE: DELETE COURSE
CHEM 631 BIOMOLECULAR MODELING AND SIMULATION 3 N
Computational biology course designed to introduce the most important and basic concepts, methods, and tools used in biomolecular modeling and computer simulations. Topics include (but are not limited to) molecular mechanics, minimization, molecular dynamics, Monte Carlo simulation, explicit and implicit solvation, continuum electrostatics, statistical mechanics, advanced sampling techniques, and free energy calculations. The understanding of these concepts and algorithms as well as their applications to well-defined practical examples involving currently important biological problems are emphasized. The class is divided into a 2-hour lecture and 1-hour computer laboratory. (Same as BIOL 631.) Prerequisite: CHEM 184 and 188; MATH 115 or MATH 121; PHSX 114 and 115 or PHSX 211 and 212; Or permission of instructor. LEC

CLASSICS

CHANGE: DELETE COURSE
CLSX 315 WOMEN IN ANCIENT ART AND SOCIETY 3 H
A survey of the role of women in the civilizations of the Mediterranean, with emphasis on the Greek, Etruscan, and Roman, as documented in the literary and visual record. Included will be a consideration of such topics as matriarchy and important figures such as Sappho, Cleopatra, and Agrippina. No knowledge of Greek or Latin is required. (Same as WGSS 315)

CHANGE: NEW CROSS-LISTED COURSE
CLSX 515 GENDER AND SEXUALITY IN GREEK CULTURE 3 H
This course explores various approaches to the study of gender and sexuality in Greek antiquity. Contents will vary, and the course may focus on methodology and case studies, or on particular themes, historical periods, or artistic or literary genres. No knowledge of Greek or Latin is required. Prerequisite: Graduate status, or 6 credit hours in Classics, Greek, Latin, or Women, Gender and Sexuality Studies; or permission of instructor. (Same as WGSS 515)
CHANGE: NEW CROSS-LISTED COURSE
CLSX 516  GENDER AND SEXUALITY IN ROMAN CULTURE  3  H
This course explores various approaches to the study of gender and sexuality in Roman antiquity. Contents vary, and the course may focus on methodology and case studies, or on particular themes, historical periods, or artistic or literary genres. No knowledge of Greek or Latin is required. Prerequisite: Graduate status, or 6 credit hours in Classics, Greek, Latin, or Women, Gender and Sexuality Studies; or permission of instructor. (Same as WGSS 516)

ENVIRONMENTAL STUDIES
CHANGE: PREREQUISITE
EVRN 460  FIELD ECOLOGY  3  N
(OLD) Provides practical experience in the characterization of a diversity of ecosystem types; lakes, streams, forests, and prairies. This course is writing intensive, and designed for Environmental Studies majors. Prerequisite: EVRN/GEOG 148/149; EVRN/HIST 103, EVRN/HIST 347 or EVRN/GEOG 150; Junior Standing. Restricted to declared Environmental Studies majors.
EVRN 460  FIELD ECOLOGY  3  N
(NEW) Provides practical experience in the characterization of a diversity of ecosystem types; lakes, streams, forests, and prairies. This course is writing intensive, and designed for Environmental Studies majors. Prerequisite: EVRN/GEOG 148/149; EVRN/HIST 103, EVRN/HIST 347 or EVRN/GEOG 150; Senior standing. Restricted to declared Environmental Studies majors.

FRENCH AND ITALIAN
CHANGE: NEW COURSE
ITAL 103  ELEMENTARY ITALIAN LANGUAGE AND CIVILIZATION  3  H
A systematic review of the fundamentals of Italian grammar through practice in conversation and writing, with an introduction to Italian culture. Available only to participants in study abroad programs. This course does not satisfy the College of Liberal Arts and Sciences foreign language requirement. No prerequisite.

CHANGE: NEW COURSE
ITAL 203  INTERMEDIATE ITALIAN LANGUAGE AND CIVILIZATION  3  H
A systematic review of Italian grammar through practice in conversation and composition, with an introduction to Italian culture. Available only to participants in study abroad programs. This course does not satisfy the College of Liberal Arts and Sciences foreign language requirement. Prerequisite: ITAL 120.

GEOGRAPHY
CHANGE: COURSE DESCRIPTION  PREREQUISITE
ATMO 699  UNDERGRADUATE RESEARCH  2  U
(OLD) Prerequisite: Twelve credit hours in meteorology.
ATMO 699  UNDERGRADUATE RESEARCH  2  U
(NEW) Work on a research project under the supervision of a faculty member. Prerequisite: Nine credit hours in atmospheric science. May be taken up to three times for credit.

CHANGE: NEW COURSE
GEOG 500  SENIOR CAPSTONE IN GEOGRAPHY  3  N
The capstone project provides students with a broad-based, interdisciplinary educational experience and allows them to integrate and synthesize the knowledge they have gained in their studies. The course is designed to achieve several objectives: provide an overview of geography as a unified, coherent discipline with multiple perspectives, emphasize writing and analytical skills, introduce students to a major research project that integrates elements of physical and human geography, and
cultivate knowledge of future professional development. Graduate students may take this course by permission only. Prerequisite: 9 hours in Geography and status as a senior major in the department; or permission of instructor.

**HISTORY**

**CHANGE: NEW CROSS-LISTED COURSE**

**HIST 124**  
LATIN AMERICAN CULTURE AND SOCIETY  3 SC, S  
An introduction to the interdisciplinary study of Latin America, as manifest in the arts and literature, history, and in environmental, political, economic, and social realities. Explores and critiques the principal themes and methodologies of Latin American Studies, with an aim towards synthesizing contributions from several different disciplines. Emphasizes the unique insights and perspectives made possible by interdisciplinary collaboration and provides students with the basic knowledge base for understanding Latin America today. (Same as LAA 100) LEC

**LATIN AMERICAN STUDIES**

**CHANGE: NEW REQUEST TO CROSSLIST**

**LAA 100**  
LATIN AMERICAN CULTURE & SOCIETY  3 SC, S  
(OLD)  
An introduction to the interdisciplinary study of Latin America, as manifest in the arts & literature, history, and in environmental, political, economic, and social realities. Explores and critiques the principal themes and methodologies of Latin American Studies, with an aim towards synthesizing contributions from several different disciplines. Emphasizes the unique insights and perspectives made possible by interdisciplinary collaboration and provides students with the basic knowledge base for understanding Latin America today. LEC

**LAA 100**  
LATIN AMERICAN CULTURE AND SOCIETY  3 SC, S  
(NEW)  
An introduction to the interdisciplinary study of Latin America, as manifest in the arts & literature, history, and in environmental, political, economic, and social realities. Explores and critiques the principal themes and methodologies of Latin American Studies, with an aim towards synthesizing contributions from several different disciplines. Emphasizes the unique insights and perspectives made possible by interdisciplinary collaboration and provides students with the basic knowledge base for understanding Latin America today. (Same as HIST 124) LEC

**SLAVIC LANGUAGES AND LITERATURES**

**CHANGE: COURSE DESCRIPTION  TITLE**

**SLAV 522**  
RUSSIAN DERIVATIONAL MORPHOLOGY, SYNTAX, AND LEXICOLOGY  3 H  
(OLD)  
An analysis of morphosyntax and the lexicon in contemporary standard Russian, with emphasis on the sentence and its elements. Designed as a continuation of SLAV 520. Graduate students enrolled in this course will be held to a more stringent curriculum and grading system. Prerequisite: Two years of Russian language study or the equivalent. LEC

**SLAV 522**  
THE GRAMMATICAL CATEGORIES OF RUSSIAN: LINGUISTIC UNITS, FUNCTIONS AND MEANINGS  3 H  
(NEW)  
This course covers the main grammatical categories of Russian, including word formation, case, animacy, voice and reflexive verbs, imperatives, aspect, and word order. It is intended not only for linguists but anyone seeking a better understanding of the grammatical systems of Russian. Designed as a continuation of SLAV 520. Prerequisite: Two years of Russian language study or the equivalent. LEC

**CHANGE: NEW COURSE**

**SLAV 626**  
THE CULTURAL IMPACT OF THE OTTOMAN EMPIRE ON THE SOUTH SLAVS  3 H  
An examination of the cultural development of the South Slavs in the context of the Ottoman invasions and subsequent rule (14th-19th century), focusing on the frontier aspects of the Balkans, military
culture, religion, economics and banditry, as well as other aspects of material and folk culture. No language requirement. Prerequisite: SLAV 316 or SLAV 508; or consent of instructor.

SPANISH AND PORTUGUESE

CHANGE: CREDIT TITLE
PORT 509 PHONETICS 2 H W
(OLD) A study of the phonology of the carioca (Rio de Janeiro) dialect of Brazilian Portuguese, and an introduction to other major Brazilian and Portuguese dialects. Prerequisite: Nine hours of Portuguese, or consent of instructor. LEC

PORT 509 PORTUGUESE PHONETICS AND PHONOLOGY 3 H W
(NEW) A study of the phonology of the carioca (Rio de Janeiro) dialect of Brazilian Portuguese, and an introduction to other major Brazilian and Portuguese dialects. Prerequisite: Nine hours of Portuguese, or consent of instructor. LEC

CHANGE: COURSE DESCRIPTION TITLE
SPAN 300 THE ORIGINS AND DEVELOPMENT OF SPANISH AMERICAN CULTURE 3 HL, H
(OLD) The development of social and cultural patterns in Spanish America, and their relationship to economic issues and personal values. A topical study of the historical development of Spanish American institutions will be followed by an examination of twentieth-century cultural patterns. Special emphasis on Mexico. Most of the readings will be in English. Will not count toward the Spanish major. Prerequisite: SPAN 108, or SPAN 109, or SPAN 111, or two years of high school Spanish. LEC

SPAN 300 DEVELOPMENTS IN HISPANIC CULTURES 3 HL, H
(NEW) The development of social and cultural patterns in the Spanish-speaking world, including the intersection of those patterns with issues related to politics, economics and/or personal values. Assigned readings may be in English or in Spanish. Does not count toward the Spanish major. Prerequisite: SPAN 108, SPAN 109, or SPAN 111; or two years of high school Spanish. LEC

CHANGE: COURSE DESCRIPTION
SPAN 326 SPANISH FOR HEALTH CARE WORKERS 3 U
(OLD) This course is designed to provide students with the linguistic and cultural competencies necessary to communicate with and help treat Spanish speaking patients with limited English proficiency. Includes a general review of pertinent grammar, specific vocabulary groups relating to assessment and care of patients, vocabulary to establish rapport, and discussions leading to cultural competencies. Prerequisite: Completion of Spanish 216 with a grade of C or better.

SPAN 326 SPANISH FOR HEALTH CARE WORKERS 3 U
(NEW) This course is designed to provide students with the linguistic and cultural competencies necessary to communicate with and help treat Spanish speaking patients with limited English proficiency. Includes a general review of pertinent grammar, specific vocabulary groups relating to assessment and care of patients, vocabulary to establish rapport, and discussions leading to cultural competencies. Not open to students who have completed SPAN 424 or above. Prerequisite: Completion of Spanish 216 with a grade of C or better.

CHANGE: PREREQUISITE
SPAN 328 INTERMEDIATE SPANISH CONVERSATION 2 U
(OLD) Conversational reinforcement of topics presented in SPAN 324 with an emphasis on oral communication skills in a cultural context. Concurrent enrollment in SPAN 324 required. Two class meetings per week. Not available to study abroad participants. Prerequisite: Grade of B or better in SPAN 216/217 or SPAN 220

SPAN 328 INTERMEDIATE SPANISH CONVERSATION 2 U
(NEW) Conversational reinforcement of topics presented in SPAN 324 with an emphasis on oral communication skills in a cultural context. Concurrent enrollment in SPAN 324 required. Two class
meetings per week. Not available to study abroad participants. Prerequisite: SPAN 216 or SPAN 217 with a grade of "C" or higher; or SPAN 220; or SPAN 322; or consent of instructor.

CHANGE: PREREQUISITE
SPAN 428  ADVANCED SPANISH CONVERSATION  2  U
(OLD) Emphasis on developing fluid expression of opinions, ideas, and points of view through discussion of selected texts and cultural materials. Two class meetings per week. Concurrent enrollment in SPAN 424 recommended. Prerequisite: SPAN 340 with a grade of B or better, or equivalent. Emphasis on developing fluid expression of opinions, ideas, and points of view through discussion of selected texts and cultural materials. Two class meetings per week. Concurrent enrollment in SPAN 424 recommended. Prerequisite: SPAN 340 with a grade of B or better, or equivalent.

SPAN 428  ADVANCED SPANISH CONVERSATION  2  U
(NEW) Emphasis on developing fluid expression of opinions, ideas, and points of view through discussion of selected texts and cultural materials. Two class meetings per week. Concurrent enrollment in SPAN 424 recommended. Prerequisite: SPAN 340 or consent of instructor. A grade of "C" or higher in SPAN 340 is strongly recommended for students enrolling in this course.

CHANGE: PREREQUISITE
SPAN 464  READING AND ANALYSIS OF U.S. LATINO/A LITERATURES: _____ 3  H
(OLD) The course covers multiple genres, authors, periods, regions, or topics. Course conducted in Spanish and may be repeated for credit as the topic varies. Prerequisite: SPAN 340 with a grade of B or better; or consent of instructor.

SPAN 464  READING AND ANALYSIS OF U.S. LATINO/A LITERATURES: _____ 3  H
(NEW) The course covers multiple genres, authors, periods, regions, or topics. Course conducted in Spanish and may be repeated for credit as the topic varies. Prerequisite: SPAN 340 or consent of instructor. A grade of "C" or better in SPAN 340 is strongly recommended for students enrolling in this course.

CHANGE: PREREQUISITE
SPAN 550  COLLOQUIUM ON SPANISH FILM  3  H
(OLD) A theoretical and historical exploration of Spanish cinema with particular attention devoted to the films of Berlanga, Buuel, Gutierrez Aragn, Saura, Erice, and Almdovar. Students will be expected to attend film screenings in addition to regular class meetings. Prerequisite: SPAN 424 and six hours of 400-level Spanish courses.

SPAN 550  COLLOQUIUM ON SPANISH FILM  3  H
(NEW) A theoretical and historical exploration of Spanish cinema with particular attention devoted to the films of Berlanga, Buuel, Gutierrez Aragn, Saura, Erice, and Almdovar. Students are expected to attend film screenings in addition to regular class meetings. Prerequisite: SPAN 424 and six hours of 400-level Spanish literature courses.

CHANGE: PREREQUISITE
SPAN 560  COLLOQUIUM ON LATIN AMERICAN FILM  3  H
(OLD) An overview of Latin American cinema from its origins to the present with particular attention to thematic concerns, such as cultural and national identity, and of literary discourse. Students will be expected to attend film screenings in addition to regular class meetings. Prerequisite: SPAN 424 and six hours of 400-level Spanish courses.

SPAN 560  COLLOQUIUM ON LATIN AMERICAN FILM  3  H
(NEW) An overview of Latin American cinema from its origins to the present with particular attention to thematic concerns, such as cultural and national identity, and of literary discourse. Students are expected to attend film screenings in addition to regular class meetings. Prerequisite: SPAN 424 and six hours of 400-level Spanish literature courses.

CHANGE: COURSE DESCRIPTION PREREQUISITE
SPAN 570  STUDIES IN HISPANIC LINGUISTICS: _____ 3  U
Theoretical and applied analysis of one or more of the following components of the Spanish language: phonology/phonetics, morphology, syntax, semantics, pragmatics. Available only to study abroad participants. May be repeated for credit if content varies. Prerequisite: SPAN 424.

SPAN 570 STUDIES IN HISPANIC LINGUISTICS: _____ 3 U

Theoretical and applied analysis of one or more of the following components of the Spanish language: phonology/phonetics, morphology, syntax, semantics, pragmatics. May be repeated for credit if content varies. Prerequisite: SPAN 424 and SPAN 428.

WOMEN, GENDER AND SEXUALITY STUDIES

CHANGE: DELETE COURSE
WGSS 315 WOMEN IN ANCIENT ART AND SOCIETY 3 H
A survey of the role of women in the civilizations of the Mediterranean, with emphasis on the Greek, Etruscan, and Roman, as documented in the literary and visual record. Included will be a consideration of such topics as matriarchy and important figures such as Sappho, Cleopatra, and Agrippina. No knowledge of Greek or Latin is required. (Same as CLSX 315)

CHANGE: NEW CROSS-LISTED COURSE
WGSS 515 GENDER AND SEXUALITY IN GREEK CULTURE 3 H
This course explores various approaches to the study of gender and sexuality in Greek antiquity. Contents will vary, and the course may focus on methodology and case studies, or on particular themes, historical periods, or artistic or literary genres. No knowledge of Greek or Latin is required. Prerequisite: Graduate status, or 6 credit hours in Classics, Greek, Latin, or Women, Gender and "Sexuality Studies; or permission of instructor. (Same as CLSX 515)

CHANGE: NEW CROSS-LISTED COURSE
WGSS 516 GENDER AND SEXUALITY IN ROMAN CULTURE 3 H
This course explores various approaches to the study of gender and sexuality in Roman antiquity. Contents vary, and the course may focus on methodology and case studies, or on particular themes, historical periods, or artistic or literary genres. No knowledge of Greek or Latin is required. Prerequisite: Graduate status, or 6 credit hours in Classics, Greek, Latin, or Women, Gender and "Sexuality Studies; or permission of instructor. (Same as CLSX 516)

B. Degree Requirements for Approval

1. New Option within Existing BA and BGS in Applied Behavioral Science – Organizational Behavior Management and Research Practice

Proposal
ORGANIZATIONAL BEHAVIOR MANAGEMENT RESEARCH & PRACTICE
This specialty area is for students interested in studying the application of behavioral principles to people and groups in business, industry, government, and human service settings. This specialty area includes courses in behavior analysis, research methods, and organizational behavior management with a focus on its three sub-disciplines including performance management, systems analysis, and behavior-based safety. The program culminates in practica that provide students with direct experiences improving employee behavior, work safety, or organizational systems within businesses in the community. Students completing this program will gain knowledge and experience in the areas of behavior analysis, management, staff training, and systems-level interventions. Careers: This area is relevant for students interested in behavioral consulting, management, human services, and business.

Requirements
Introductory Course (3 hours)
ABSC 100 Introduction to Applied Behavioral Science (3), or
ABSC 101 Introduction to Applied Behavioral Science, Honors (3)

Core Courses (10 hours)
ABSC 304 Principles and Procedures of Behavior Modification and Therapy (3)
ABSC 308 Research Methods and Applications (4)
ABSC 509 Contemporary Behavioral Science (3)

Required Specialty Area Courses (6 hours)
ABSC 150 Community Leadership (3 hours)
ABSC 470 Organizational Behavior Management (3 hours)

Specialty Area Electives (8 hours). Any junior-senior level courses approved by your advisor. Students should select electives that will prepare them for the type of employment setting they envision themselves working or consulting.
ABSC 310 Building Healthy Communities (3)
ABSC 350 Behavioral Treatment of Children with Autism (3)
ABSC 405 Children and Media (3)
ABSC 410 Behavioral Approaches in Working with Adolescents (3)
ABSC 486 Issues in Parenting (3)
ABSC 535 Developmental Psychopathology (3)
ABSC 535 Applied Developmental Psychopathology (3)
ABSC 796 Laboratory in Behavioral Development and Modification (3)
ABSC 861 Applied Behavioral Analysis (3)
ABSC 893 Behavioral Consultation (3)

Practicum
(3-5 hours per course for a total of 6-10 hours). This practicum requires a two-semester commitment, beginning in the Fall semester and continuing in the Spring semester. Space may be limited and enrollment may depend on the date of indication of interest. No more than 6 hours of practicum apply to the major.
ABSC 682 – Organizational Behavior Management Practicum (to be taken in two consecutive semesters in order to complete the practicum requirement)

Faculty Members: Professor Florence DiGennaro Reed (practicum supervisor in italics).

WEBSITES FOR RELEVANT PROFESSIONAL AND SERVICE ORGANIZATIONS

Behavior Analysis
www.abainternational.org
www.bacb.com

Organizational Behavior Management
http://www.obmnetwork.com/

Implementation Science
http://www.fpg.unc.edu/~nirm/

Justification
This specialty area is relevant to students’ interests and may provide additional career opportunities. A new faculty member would like to add new areas of study to the department.
2. Change to Existing BA Biochemistry Major

Proposal
The new requirements will move CHEM 640 Biological Physical Chemistry (3 hrs.) from the general science requirements to the biochemistry requirements.

Requirements
B. A. Biochemistry major

Current requirements (in part) include:

General Science Requirements (35–39 hrs.):

- CHEM 184 Foundations of Chemistry I (5 hrs.)
- CHEM 188 Foundations of Chemistry II (5 hrs.)
- CHEM 624 Organic Chemistry I (3 hrs.)
- CHEM 625 Organic Chemistry I lab (2 hrs.)
- CHEM 626 Organic Chemistry II (3 hrs.)
- CHEM 640 Biological Physical Chemistry (3 hrs.)
- MATH 115 & MATH 116 Calculus I & II (6 hrs.) OR
- MATH 121 & MATH 122 Calculus I & II (10 hrs.)
- PHSX 211 & PHSX 212 General Physics I & II (8 hrs.) OR
- PHSX 114 & PHSX 115 College Physics I & II (8 hrs.)

Biochemistry Requirements (25 hrs.):

- BIOL 150 (or BIOL 151, Honors) Principles of Molecular & Cellular Biology (4 hrs.)
- BIOL 152 (or BIOL 153, Honors) Principles of Organismal Biology (4 hrs.)
- BIOL 350 Principles of Genetics (3 hrs.)
- BIOL 636 Biochemistry I (3 hrs.)
- BIOL 637 Introductory Biochemistry Laboratory (2 hrs.)
- BIOL 638 Biochemistry II (3 hrs.)
- BIOL 639 Advanced Biochemistry Laboratory (2 hrs.)
- BIOL 672 Gene Expression (3 hrs.)
- BIOL 599 Senior Seminar: Biochemistry (must be taken in senior year) (1 hr.)

The new requirements (in part) include:

General Science Requirements (32–36 hrs.):

- CHEM 184 Foundations of Chemistry I (5 hrs.)
- CHEM 188 Foundations of Chemistry II (5 hrs.)
- CHEM 624 Organic Chemistry I (3 hrs.)
- CHEM 625 Organic Chemistry I lab (2 hrs.)
- CHEM 626 Organic Chemistry II (3 hrs.)
- MATH 115 & MATH 116 Calculus I & II (6 hrs.) OR
- MATH 121 & MATH 122 Calculus I & II (10 hrs.)
- PHSX 211 & PHSX 212 General Physics I & II (8 hrs.) OR
- PHSX 114 & PHSX 115 College Physics I & II (8 hrs.)

Biochemistry Requirements (28 hrs.):

- BIOL 150 (or BIOL 151, Honors) Principles of Molecular & Cellular Biology (4 hrs.)
- BIOL 152 (or BIOL 153, Honors) Principles of Organismal Biology (4 hrs.)
- BIOL 350 Principles of Genetics (3 hrs.)
BIOL 636 Biochemistry I (3 hrs.)
BIOL 637 Introductory Biochemistry Laboratory (2 hrs.)
BIOL 638 Biochemistry II (3 hrs.)
BIOL 639 Advanced Biochemistry Laboratory (2 hrs.)
BIOL 672 Gene Expression (3 hrs.)
BIOL 599 Senior Seminar: Biochemistry *(must be taken in senior year)* (1 hr.)
CHEM 640 Biological Physical Chemistry (3 hrs.)

**Justification**

We request the move of CHEM 640 from the general science requirements to the biochemistry requirements due to its being a specific, integral component of the biochemistry major.

3. **Change to Existing BS Biochemistry Major Proposal**

The new requirements will add CHEM 517 Analytical Chemistry Laboratory (2 hrs.) to the Biochemistry requirements and will move CHEM 516 Analytical Chemistry (3 hrs.), CHEM 640 Biol. Physical Chem. (3), and CHEM 646 Physical Chem. (3 hrs.) from the general science requirements to the Biochemistry requirements.

**Requirements**

**B. S. Biochemistry major**

Current requirements (in part) include:

**General Science Requirements (44 hrs.):**

CHEM 184 Foundations of Chemistry I (5 hrs.)
CHEM 188 Foundations of Chemistry II (5 hrs.)
CHEM 516 Analytical Chemistry (3 hrs.)
CHEM 624 Organic Chem. I (3 hrs.)
CHEM 625 Organic Chem. I lab (2 hrs.)
CHEM 626 Organic Chem. II (3 hrs.)
CHEM 627 Organic Chem. II lab (2 hrs.)
CHEM 640 Biol. Physical Chem. (3 hrs.) OR
CHEM 646 Physical Chem. (3 hrs.)
MATH 121 & MATH 122 Calculus I & II (10 hrs.)
PHSX 211 & PHSX 212 Gen. Physics I & II (8 hrs.) OR
PHSX 114 & PHSX 115 College Physics I & II (8 hrs.)

**Biochemistry Requirements (25 hrs.):**

BIOL 150 (or 151, Honors) Principles of Molecular & Cellular Biology (4 hrs.)
BIOL 152 (or 153, Honors) Principles of Organismal Biology (4 hrs.)
BIOL 350 Principles of Genetics (3 hrs.)
BIOL 636 Biochemistry I (3 hrs.)
BIOL 637 Introductory Biochemistry Laboratory (2 hrs.)
BIOL 638 Biochemistry II (3 hrs.)
BIOL 639 Advanced Biochemistry Laboratory (2 hrs.)
BIOL 672 Gene Expression (3 hrs.)
BIOL 599 Senior Seminar: Biochemistry *(must be taken in senior year)* (1 hr.)
The new requirements (in part) include:

**General Science Requirements (38 hrs.):**

- CHEM 184 Foundations of Chemistry I (5 hrs.)
- CHEM 188 Foundations of Chemistry II (5 hrs.)
- CHEM 624 Organic Chem. I (3 hrs.)
- CHEM 625 Organic Chem. I lab (2 hrs.)
- CHEM 626 Organic Chem. II (3 hrs.)
- CHEM 627 Organic Chem. II lab (2 hrs.)
- MATH 121 & MATH 122 Calculus I & II (10 hrs.)
- PHSX 211 & PHSX 212 Gen. Physics I & II (8 hrs.) OR
- PHSX 114 & PHSX 115 College Physics I & II (8 hrs.)

**Biochemistry Requirements (33 hrs.)**

- BIOL 150 (or 151, Honors) Principles of Molecular & Cellular Biology (4 hrs.)
- BIOL 152 (or 153, Honors) Principles of Organismal Biology (4 hrs.)
- BIOL 350 Principles of Genetics (3 hrs.)
- BIOL 636 Biochemistry I (3 hrs.)
- BIOL 637 Introductory Biochemistry Laboratory (2 hrs.)
- BIOL 638 Biochemistry II (3 hrs.)
- BIOL 639 Advanced Biochemistry Laboratory (2 hrs.)
- BIOL 672 Gene Expression (3 hrs.)
- BIOL 599 Senior Seminar: Biochemistry *(must be taken in senior year)* (1 hr.)
- CHEM 516 Analytical Chemistry (3 hrs.)
- CHEM 517 Analytical Chemistry Laboratory (2 hrs.)
- CHEM 640 Biological Physical Chemistry (3 hrs.) OR
- CHEM 646 Physical Chemistry I (3 hrs.)

**Justification**

We request the addition of CHEM 517 to the biochemistry requirements, as the Department of Chemistry requires that students who enroll in CHEM 516 concurrently enroll in CHEM 517. We request the move of CHEM 516, 517, and 640/646 from the general science requirements to the biochemistry requirements due to their being specific, integral components of the biochemistry major.

4. **Change to Existing BS Biology – Genetics Major**

   **Proposal**

   We want to add BIOL 753 Advanced Genetics to the list of Genetics options and remove BIOL 611 and BIOL 692.

**Requirements**

The current B.S. Genetics major requires, in part, that students complete (as it appears in the Undergraduate Catalog)

*2 courses from the following list: (6)*

- BIOL 512 General Virology
- BIOL 518 Microbial Genetics
- BIOL 595 Human Genetics
- BIOL 611 Molecular Evolution/Systematics
- BIOL 688 Molecular Biology of Cancer
- BIOL 692 Developmental Genetics
- BIOL 743 Population Genetics
- BIOL 747 Quantitative Genetics
- BIOL 755 Mechanisms of Development
- ANTH 340 Human Variation and Evolution
ANTH 442 Anthropological Genetics
ANTH 652 Population Dynamics

The new requirements would read:
* 2 courses from the following list: (6)
  - BIOL 512 General Virology
  - BIOL 518 Microbial Genetics
  - BIOL 595 Human Genetics
  - BIOL 611 Molecular Evolution/Systematics
  - BIOL 688 Molecular Biology of Cancer
  - BIOL 692 Developmental Genetics
  - BIOL 743 Population Genetics
  - BIOL 747 Quantitative Genetics
  - BIOL 753 Advanced Genetics
  - BIOL 755 Mechanisms of Development
  - ANTH 340 Human Variation and Evolution
  - ANTH 442 Anthropological Genetics
  - ANTH 652 Population Dynamics

**Justification**
BIOL 753 Advanced Genetics is a new course in advanced genetics that would be appropriate for our undergraduate majors, and BIOL 611 and BIOL 692 are no longer offered on a consistent basis.

5. **Change to Existing BA Biology Major**

**Proposal:** We want to replace BIOL 550 Introduction to Systematics with BIOL 428 Introduction to Systematics.

**Requirements**
Current Biology Core Requirements (24-25 hours) for a B.A. in Biology are as follows (as they appear in the 2011-2012 Undergraduate Catalog):

- BIOL 150 (or BIOL 151 Honors) Principles of Molecular and Cellular Biology (4)
- BIOL 152 (or BIOL 153 Honors) Principles of Organismal Biology (4)
- BIOL 350 Principles of Genetics (3)
- BIOL 412 Evolutionary Biology (3)
- BIOL 599 Senior Seminar: Biology (must be taken in senior year) (1)

1 of the following 3 courses:
- BIOL 413 History and Diversity of Organisms (3)
- BIOL 414 Principles of Ecology (3)
- BIOL 550 Introduction to Systematics (3)

The new requirements would read:

- BIOL 150 (or BIOL 151 Honors) Principles of Molecular and Cellular Biology (4)
- BIOL 152 (or BIOL 153 Honors) Principles of Organismal Biology (4)
- BIOL 350 Principles of Genetics (3)
- BIOL 412 Evolutionary Biology (3)
- BIOL 599 Senior Seminar: Biology (must be taken in senior year) (1)

1 of the following 3 courses:
- BIOL 413 History and Diversity of Organisms (3)
- BIOL 414 Principles of Ecology (3)

**BIOL 428 Introduction to Systematics (3)**
Justification
BIOL 428 Introduction to Systematics replaces BIOL 550 Introduction to Systematics. BIOL 550 has historically been difficult to teach because the breadth of prior knowledge and expectations for the class of the students enrolled. The numbering of BIOL 550 to be offered at the 400 level is intended to provide students with a more appropriate information content and depth of knowledge of systematics. BIOL 428 is aimed at sophomores or juniors with a more general biology background.

6. Change to Existing BA Human Biology Major
Proposal
We want to replace BIOL 550 Introduction to Systematics with BIOL 428 Introduction to Systematics.

Requirements
Current Core Requirements (minimum 32 hours) for a B.A. in Human Biology/Applied Behavioral Science subplan are as follows (as they appear in the 2011-2012 Undergraduate Catalog):

Evolution, Culture, and Behavior category (9)
BIOL 412 Evolutionary Biology
Six hours selected from the following courses:
ANTH 341 Human Evolution
ANTH 415 The Rise of Civilization
ANTH 650 Human Reproduction Biology and Behavior
ANTH 661 Cultural Dynamics
BIOL/GEOG 410 Human Biogeography Honors
BIOL 550 Introduction to Systematics
BIOL 625 Behavioral Ecology and Sociobiology
BIOL 652 Comparative Animal Behavior

The new requirements would read:

Evolution, Culture, and Behavior category (9)
BIOL 412 Evolutionary Biology
Six hours selected from the following courses:
ANTH 341 Human Evolution
ANTH 415 The Rise of Civilization
ANTH 650 Human Reproduction Biology and Behavior
ANTH 661 Cultural Dynamics
BIOL/GEOG 410 Human Biogeography Honors
BIOL 428 Introduction to Systematics
BIOL 625 Behavioral Ecology and Sociobiology
BIOL 652 Comparative Animal Behavior

Justification
BIOL 428 Introduction to Systematics replaces BIOL 550 Introduction to Systematics. BIOL 550 has historically been difficult to teach because the breadth of prior knowledge and expectations for the class of the students enrolled. The numbering of BIOL 550 to be offered at the 400 level is intended to provide students with a more appropriate information content and depth of knowledge of systematics. BIOL 428 is aimed at sophomores or juniors with a more general biology background.

7. Change to Existing BS Biology – Ecology & Evolutionary Major
Proposal
We want to replace BIOL 550 Introduction to Systematics with BIOL 428 Introduction to Systematics.

Requirements
Current requirements for a B.S. in Biology with concentration in Ecology and Evolutionary Biology are as follows (as they appear in the 2011-2012 Undergraduate Catalog):
Ecology and Evolutionary Biology Requirements (18 hours)
BIOL 412 Evolutionary Biology (3)
BIOL 413 History and Diversity of Organisms (3)
BIOL 414 Principles of Ecology (3)
BIOL 415 Field and Laboratory Methods in Ecology (2)
BIOL 550 Introduction to Systematics (3)
BIOL 570 Introduction to Biostatistics (3)
BIOL 599 Senior Seminar: Cell Biology (must be taken in senior year) (1)
The new requirements would read:

Ecology and Evolutionary Biology Requirements (18 hours)
BIOL 412 Evolutionary Biology (3)
BIOL 413 History and Diversity of Organisms (3)
BIOL 414 Principles of Ecology (3)
BIOL 415 Field and Laboratory Methods in Ecology (2)
BIOL 428 Introduction to Systematics (3)
BIOL 570 Introduction to Biostatistics (3)
BIOL 599 Senior Seminar: Cell Biology (must be taken in senior year) (1)

Justification
BIOL 428 Introduction to Systematics replaces BIOL 550 Introduction to Systematics. BIOL 550 has historically been difficult to teach because the breadth of prior knowledge and expectations for the class of the students enrolled. The numbering of BIOL 550 to be offered at the 400 level is intended to provide students with a more appropriate information content and depth of knowledge of systematics. BIOL 428 is aimed at sophomores or juniors with a more general biology background.

8. Change to Existing BS Biology – Organismal Major
   Proposal
   We want to replace BIOL 550 Introduction to Systematics with BIOL 428 Introduction to Systematics.

Requirements
Current requirements for a B.S. in Biology with concentration in Organismal Biology are as follows (as they appear in the 2011-2012 Undergraduate Catalog):

Organismal Biology Requirements (21 hours)
BIOL 408 Physiology of Organisms (3)
BIOL 409 Physiology of Organisms Laboratory (2)
BIOL 413 History and Diversity of Organisms (3)
BIOL 599 Senior Seminar: Organismal Biology (must be taken in senior year) (1)
1 of the following 3 courses:
  BIOL 416 Cell Structure and Function (3)
  BIOL 414 Principles of Ecology (3)
  BIOL 550 Introduction to Systematics (3)
The new requirements would read:

Organismal Biology Requirements (21 hours)
BIOL 408 Physiology of Organisms (3)
BIOL 409 Physiology of Organisms Laboratory (2)
BIOL 413 History and Diversity of Organisms (3)
BIOL 599 Senior Seminar: Organismal Biology (must be taken in senior year) (1)
1 of the following 3 courses:
  BIOL 416 Cell Structure and Function (3)
  BIOL 414 Principles of Ecology (3)
  BIOL 428 Introduction to Systematics (3)
Justification
BIOL 428 Introduction to Systematics replaces BIOL 550 Introduction to Systematics. BIOL 550 has historically been difficult to teach because the breadth of prior knowledge and expectations for the class of the students enrolled. The numbering of BIOL 550 to be offered at the 400 level is intended to provide students with a more appropriate information content and depth of knowledge of systematics. BIOL 428 is aimed at sophomores or juniors with a more general biology background.

9. Change to Existing BS Biology – Teaching Biology Major

Proposal
We want to replace BIOL 550 Introduction to Systematics with BIOL 428 Introduction to Systematics.

Requirements
Current requirements for a B.S. in Biology with concentration in Teaching Biology are as follows (as they appear in the 2011-2012 Undergraduate Catalog):

General Biology Requirements (30-31 hours)
BIOL 150 (or BIOL 151 Honors) Principles of Molecular and Cellular Biology (4)
BIOL 152 (or BIOL 153 Honors) Principles of Organismal Biology (4)
BIOL 350 Principles of Genetics (3)
BIOL 412 Evolutionary Biology (3)
BIOL 414 Principles of Ecology (3)
BIOL 416 Cell Structure and Function (3)
BIOL 598 Research Methods (1-3)
BIOL 599 Senior Seminar: Biology (1)
1 of the following 2 courses:
BIOL 413 History and Diversity of Organisms (3)
BIOL 550 Introduction to Systematics (3)

The new requirements would read:

General Biology Requirements (30-31 hours)
BIOL 150 (or BIOL 151 Honors) Principles of Molecular and Cellular Biology (4)
BIOL 152 (or BIOL 153 Honors) Principles of Organismal Biology (4)
BIOL 350 Principles of Genetics (3)
BIOL 412 Evolutionary Biology (3)
BIOL 414 Principles of Ecology (3)
BIOL 416 Cell Structure and Function (3)
BIOL 598 Research Methods (1-3)
BIOL 599 Senior Seminar: Biology (1)
1 of the following 2 courses:
BIOL 413 History and Diversity of Organisms (3)
BIOL 428 Introduction to Systematics (3)

Justification
BIOL 428 Introduction to Systematics replaces BIOL 550 Introduction to Systematics. BIOL 550 has historically been difficult to teach because the breadth of prior knowledge and expectations for the class of the students enrolled. The numbering of BIOL 550 to be offered at the 400 level is intended to provide students with a more appropriate information content and depth of knowledge of systematics. BIOL 428 is aimed at sophomores or juniors with a more general biology background.

10. Change to Existing Mathematics Major

Proposal
Proposal: Bachelor of Science degree. Proposed Change: Add to List C for Applied Concentration: Curriculum & Instruction* C&T 360, 366, 460 *Note: A Student using at least two Curriculum & Instruction courses for the applied concentration must complete PHSX 211 (as one of the natural science courses) and must complete at least one of the geometry courses 559, 660, or 661.
Requirements
BS MATHEMATICS

Requirements for the B.S. Degree

First- and Second-Year Preparation 18 hours

MATH 121 Calculus I (5) or
MATH 141 Calculus I, Honors (5)
MATH 122 Calculus II (5) or
MATH 142 Calculus II, Honors (5)
MATH 223 Vector Calculus (3) or
MATH 243 Vector Calculus, Honors (3)
MATH 290 Elementary Linear Algebra (2) or
MATH 291 Elementary Linear Algebra, Honors (2)
MATH 320 Elementary Differential Equations (3) or
MATH 220 Applied Differential Equations (3)

Core Requirements 12-13 hours

Linear Algebra: MATH 590 Linear Algebra (3) or
MATH 790 Linear Algebra II (3)
Analysis: MATH 500 Intermediate Analysis (3) or
MATH 765 Mathematical Analysis I (3)
Algebra: MATH 558 Introductory Modern Algebra (3) or
MATH 791 Modern Algebra (3)
Statistics: MATH 526 Applied Mathematical Statistics I (3) or
MATH 628 Mathematical Theory of Statistics (3) or
MATH 728 Statistical Theory (3) or DSCI 301 Statistics (4)

Mathematics Concentration/Sequence Requirements 6-12 hours

One 2-course sequence from List A and a second 2-course sequence from either List A or List B

Electives 0-6 hours

Up to 2 additional 3-credit-hour courses to complete a total of 24 credit hours of mathematics courses numbered MATH 450 and above. Students who satisfy the core statistics requirement with DSCI 301 must choose an additional 3-credit-hour elective.

Applied Concentration 8 hours

3 courses, totaling at least 8 credit hours, which make significant use of mathematics. At least 2 courses must be in the same area. Courses from List C have been approved for this requirement. Other upper-division courses making significant use of mathematics can be used for the applied concentration with the approval of a mathematics department adviser.

Note: Many of these courses have prerequisites that do not count toward the mathematics major.

Minimum Major Requirements 42 hours

Applied Concentration 8 hours

General Education Requirements 49-49 hours

English, Argument and Reason, and Western Civilization (18) (These are the same as the requirements for the B.A. degree.)
Computer Science: EECS 138 (3) or EECS 168 (4)
Natural Science: 1 course with laboratory (4-5 hours) and one additional course (3-5 hours) in biological science (NB), earth science (NE), or physical science (NP) (7-10)

*Humanities and Foreign Language:* 4 courses in humanities and foreign language, at least two (6 hours) of which must be in humanities (designated H). Students are encouraged to complete at least two courses in a foreign language (12)

*Social Sciences:* 2 courses designated S (6)

### List A Sequences
- MATH 627 Probability (3) and MATH 628 Mathematical Theory of Statistics (3)
- MATH 660 Geometry I (3) and MATH 661 Geometry II (3)
- MATH 781 Numerical Analysis I (3) and MATH 782 Numerical Analysis II (3)
- MATH 790 Linear Algebra II (3) and MATH 791 Modern Algebra (3)

### List B Sequences
- MATH 500 Intermediate Analysis (3) and MATH 646 Complex Variable and Applications (3)
- MATH 526 Applied Mathematical Statistics I (3) and MATH 605 Applied Regression Analysis (3)
- MATH 581 Numerical Methods (3) and MATH 591 Applied Numerical Linear Algebra (3)
- MATH 590 Linear Algebra (3) and MATH 790 Linear Algebra II (3)
- MATH 646 Complex Variable and Applications (3) and MATH 647 Applied Partial Differential Equations (3)
- MATH 724 Combinatorial Mathematics (3) and MATH 725 Graph Theory (3)

### List C Applied Concentration Courses

- **Statistics:** MATH 605, MATH 611, MATH 624, ECON 817, ECON 818
- **Management Science and Operations Management:** SCM 310, DSCI 410
- **Finance:** FIN 310, FIN 410, FIN 415, FIN 420, FIN 425, MATH 630
- **Economics:** ECON 526, ECON 590, ECON 700, ECON 701, ECON 715, ECON 716
- **Biology:** BIOL 350, BIOL 412, BINF 701, BINF 702, BIOL 743, BIOL 747
- **Physics and Astronomy:** PHSX 313, PHSX 521, PHSX 531, ASTR 591, ASTR 592, PHSX 621, PHSX 631, PHSX 655, PHSX 671, ASTR 691, PHSX 741
- **Chemistry:** CHEM 516, CHEM 646, CHEM 648
- **Bioinformatics:** BINF 701, BINF 702
- **Aerospace Engineering:** AE 345, AE 445, AE 507, AE 545, AE 550, AE 551, AE 750
- **Chemical and Petroleum Engineering:** C&PE 211, C&PE 511, C&PE 521, C&PE 523
- **Civil Engineering:** CE 201, CE 300, CE 301, CE 310, CE 311, CE 461, CE 704
- **Curriculum & Instruction:** C&T 360, 366, 460

*Note: A Student using at least two Curriculum & Instruction courses for the applied concentration must complete PHSX 211 (as one of the natural science courses) and must complete at least one of the geometry courses 559, 660, or 661.*

*Electrical Engineering and Computer Science:* EECS 211, EECS 220, EECS 360, EECS 420, EECS 444, EECS 510, EECS 560, EECS 562, EECS 638, EECS 649, EECS 660, EECS 662, EECS 672, EECS 718, EECS 730, EECS 744

*Mechanical Engineering:* ME 201, ME 311, ME 312, ME 321, ME 508, ME 520, ME 612, ME 682, ME 740
Note: Some courses satisfying the sequence requirements are taught infrequently. More advanced courses can be substituted for lower level courses in many cases. Consult the mathematics department for expected course offerings and substitutions.

Courses used to satisfy the core requirements can also be used to complete List A and List B sequences. However, courses used for the Applied Concentration requirement cannot also be counted toward the 24 credit hours of advanced mathematics courses for the B.S. degree.

Justification

The study of the pedagogy of mathematics falls within the scope of applications of mathematics. Students preparing to be secondary mathematics teachers will be well-served by the BS math program, which provides more depth in mathematics than the BA math program. The particular design of this proposed applied concentration ensures that students will study physics and geometry, which are important for high school mathematics instruction.

Further background:
Recently, preparation of students to become high school math (and science) teachers moved from the School of Education to the UKanTeach program. The UKanTeach program is a collaborative program of CLAS and the School of Education, but the students get their degree in CLAS. UKanTeach math students can choose between the BA math and the BS math degree. The BA in math requires fewer math courses and more general education requirements than the BS in math. Currently it is easier to fit all the BA requirements into a four year curriculum than to fit the BS requirements. This is largely due to the BS requirement for an Applied Concentration, which includes three courses that use a significant amount of mathematics. These courses can be chosen from a variety of fields, but often used are physics, economics, finance, computer science and statistics. To complete the applied concentration, the students often must take one or two prerequisite courses that do not otherwise fulfill any degree requirements. UKanTeach students must take 30 credit hours of pedagogy, research methods, and mathematics courses (related to teaching), which do not count towards the requirements of the BA or BS in math. Allowing them to count three of their Curriculum & Teaching requirements for the applied concentration for the math BS will make the BS option more attractive to them, and thus may improve the mathematics background of some future teachers.

The proposal couples the use of these courses for the applied concentration with a requirement that the student takes PHSX 211 and one of the geometry courses (MATH 559, 660, 661). These are similar to requirements of the old teacher preparation program in the School of Education. They do not add any credits to the program; these courses will count towards general education and math requirements. They are in the proposed requirements because they are important for high school math teachers. There is precedent for requiring specific courses to accompany an applied concentration--students using two or more statistics courses for the applied concentration are required to take MATH 627 and 628 (which themselves count as a math sequence and not as applied concentration courses).

11. Change to Existing BA Slavic Languages and Literatures Major

Proposal

Proposal for a new course, SLAV 626 The Cultural Impact of the Ottoman Empire on the South Slavs, to count as an elective for the South Slavic emphasis in the Slavic Department.

Requirements

South Slavic Studies Emphasis
First- and Second-Year Preparation
Mandatory Premajor Courses

BCRS 104 Elementary Bosnian/Croatian/Serbian I (fall) and
BCRS 108 Elementary Bosnian/Croatian/Serbian II (spring)
(Students entering KU with previous knowledge of Bosnian/Croatian/Serbian should contact the Slavic department for placement.)
BCRS 204 Intermediate Bosnian/Croatian/Serbian I (fall)
Major

Core Requirements 12 hours
BCRS 208 Intermediate Bosnian/Croatian/Serbian II (spring) (3)
BCRS 504 Advanced Bosnian/Croatian/Serbian I (fall) (3)
BCRS 508 Advanced Bosnian/Croatian/Serbian II (spring) (3)
SLAV 508 South Slavic Literature and Civilization (3)

Electives 15 hours

Choose 15 hours of electives from the following list:

BCRS 380 Intensive Croatian (summer in Croatia) (6)
BCRS 675 Readings in Bosnian/Croatian/Serbian (3)
ECON 560 Economic Systems (3)
HIST 377 Everyday Communism in Eastern Europe (3)
HIST 557 Nationalism and Communism in East Central Europe from 1772 to the Present (3)
PHIL 580 Marxism (or other relevant course in philosophy) (3)
SLAV 144/SLAV 145 Survey of Russian Literature in Translation (3)
SLAV 148/SLAV 149 Introduction to Slavic Folklore (3)
SLAV 316/SLAV 317 The Peoples and Cultures of Southeastern Europe Through Film (3)
SLAV 340/SLAV 341 Introduction to the Languages and Peoples of Russia and East-Central Europe (3)
SLAV 558 Readings in Slovene (1-6)
SLAV 626 The Cultural Impact of the Ottoman Empire on the South Slavs (3)
SLAV 630 Slavic Folklore (3)
SLAV 635 Language, Culture, and Ethnicity in Prehistoric Eastern Europe (3)
SLAV 679 Topics in: Slavic Culture (2)

Justification
Fills a gap in the content of the curriculum but also adds an option for this emphasis, which needs more courses.

12. Change to Existing Geography Major – BA and BGS

Current Geography BA Course Requirements:
GEOG 104 Principles of Physical Geography (or GEOG 107) 3
GEOG 105 Introductory Laboratory in Physical Geography 2
GEOG 102 Principles of Human Geography (or GEOG 103) 3
GEOG 111 (4) or 311 (4) or 316 (4) or 358 (4) 4
GEOG 100 World Regional Geography (or GEOG 101) or other regional course 3

15 additional credit hours selected from at least 3 of the 4 major categories (see course offerings):
Physical Studies
Geographic Information Science
Human Studies
Regional Studies

Total = 15 required credits, 15 elective credits = 30
**Proposed Geography BA Course Requirements:**

GEOG 102 Principles of Human Geography (or GEOG 103)  
3

GEOG 104 Principles of Physical Geography (or GEOG 107)  
3

GEOG 105 Introductory Laboratory in Physical Geography  
2

**GEOG 210 Computers, Maps and Geographical Analysis**  
3

GEOG 316 Methods of Analyzing Geographical Data  
or GEOG 358 Principles of Geographic Information Systems  
4

**GEOG 500 Senior Capstone in Geography**  
or **GEOG 714 Field Experience**  
3

15 credit hours of electives at 200-500 level from 3 of 4 categories (Physical, GIS, Human, and Regional), **one of which must be a regional course.**

Total = **18 required credits**, 15 elective credits = **33**

**Changes:**

GEOG 100 is no longer required.  
GEOG 210 is a new requirement.  
GEOG 111 or GEOG 311 is no longer an option.  
GEOG 500 or GEOG 714 is a new requirement.  
One course in the elective hours must be a regional course.  
Required credits are now 18 plus 15 elective credits for a total of 33.

**JUSTIFICATION:**  
Last year the Department underwent an external review. Although the external reviewers were impressed with our overall undergraduate program, they felt that we should consider some modifications in our program. Specifically, they stated the following:

Despite these strengths, some consideration could productively be given to course sequences in the undergraduate program to ensure that students are building the systematic skills and training they need. We particularly recommend that the Department consider a more hierarchical approach to the undergraduate curriculum, with middle-level classes in place that bridge the lower and upper divisions and that serve as prerequisites for the latter.

In a related vein, we recommend that the Department give careful consideration to the skills that it requires of its students. There is a trade-off that must be considered between what is required of students and the number of majors the Department is likely to attract, and the Department may want to maintain different requirements for different tracks within the major. But we believe that every geography major should have some exposure to cartography/GIS, mathematics and/or statistics and the Department should at least consider whether students completing the Bachelor of General Studies in Geography should be required to take a language, math, or statistics course depending on their areas of emphasis within the discipline.

As a result of these comments, we have revised our B.A. and B.S. degrees in geography. In addition to modifying the content of the degrees based on the reviewers’ comments, we have added a capstone course.