I. APPROVAL OF THE FEBRUARY 2008 CAC MINUTES

II. REPORT OF THE COMMITTEE ON UNDERGRADUATE STUDIES & ADVISING (CUSA)
   Submitted by Carol Miner, Presented by Robert Carlson

   A. Curricular Changes for Approval: AAAS 302, AAAS 611, AAAS 630, ABSC 100, AMHR 110, AMHR 120, AMHR 210, AMHR 220, ASTR 294, ASTR 596, ATMO 606, ATMO 634, EALC 380, EALC 580, ENGL 359, ENGL 400, ENGL 521, ENGL 578, ENGL 579, ENGL 679, ENGL 690, HAIT 300, HIST 333, HIST 451, HIST 452, HIST 453, HIST 454, INS 101, INS 504, INS 510, ITAL 107, ITAL 108, KOR 504, KOR 508, LA&S 400, POLS 330, POLS 331, PSYC 299, PUAD 330, PUAD 331, REL 406, TH&F 518, TH&F 519, TH&F 618, TH&F 619, TH&F 620

   B. Degree Requirements/Policy Changes for Approval:
      1. New option for BS Geology – Earth & Space Science Licensure Option
      2. Principal Course Status – AAAS 104, ECON 110
      3. Non-Western Culture Status – EALC 380, EALC 580, HAIT 300, INS 504, INS 510
      4. Non-Western Culture Status for INS 101
      5. New Minor in Public Administration
      6. New Minor, Public Policy in the U.S.

III. REPORT OF THE COMMITTEE ON GRADUATE STUDIES (CGS)
   Submitted by Anne Sawyer, Presented by Julie Kaarbo

   A. Curricular Changes for Approval: GEOL 751, GEOL 752, GEOL 753, GEOL 754, GEOL 851, GEOL 852, GEOL 853, GEOL 854
I. APPROVAL OF THE FEBRUARY 2008 MINUTES

College of Liberal Arts & Sciences
College Academic Council
February 12, 2008
Minutes

Committee Members in attendance include: Stuart Day, Terry Slocum, Holly Storkel, Raymond Hummert, John Staniunas, Rick Ingram, Christie Jones

Others in attendance include: Joseph Steinmetz, Robert Carlson, Juliet Kaarbo, Paul D’Anieri, Rob Weaver, Danny Anderson, Barbara Romzek, Rebecca Peterson, Kim McNeley, Abby Lee.

- The meeting was called to order by Dean Steinmetz.
- CAC unanimously approved the December 2007 CAC minutes
- CAC unanimously approved a recommendation from CUSA for curricular changes to the following courses: AAAS 317, AMS 317, AMS 696, ANTH 390, ANTH 583, GEOG 513, GEOG 535, GEOG 536, HIST 317, WS 317, WS 583.
- CAC unanimously approved a recommendation by CUSA to replace present math courses that count as Principal courses (Math 111, 115, 121, 141, 365) with the following: Math 116, 122, 142, 526.
- CAC unanimously approved a recommendation by CUSA to alter the Molecular Biosciences BS by changing some of the course requirements.
- CAC unanimously approved a recommendation by CUSA to change the designation of the requirement box title to “Argument and Reason” and to retain the current COMS 130/230 or PHIL 148/310 as courses that fulfill that requirement.
- CAC unanimously approved a recommendation from CGS for curricular changes to the following courses pending the following changes:

  ATMO 710- Approved pending correction of spelling of “prerequisite” and addition of LEC or SEM to course description
  ATMO 731- Approved pending addition of LEC or SEM to course description
  BIOL 848-Approved pending clarification of prerequisite and clerical correction and repetition of prerequisite in #4 on curricular change form.
  GEOG 911, GEOG 939, GEOG 970- All GEOG courses pending addition of prerequisite in former course listing, minor clerical corrections, and addition of LEC at end of course descriptions and answer one of the questions on Item #7 “yes”
  GERM 855- Approved as written
  GERM 860- Approved pending correction of the spelling of “German” in proposed course description
  LA&S 700- Approved as written, with recognition that course description might need later modification if cross-listing is later requested by ENGL.
  LING 705- Approved pending addition of LEC in former and current course descriptions and addition of complete description under #3 of change form.
  POLS 952- Approved pending removal of stray letter “S” in propose course description and change from LEC to SEM
- CAC unanimously approved a proposal from CGS for a joint degree program, JD-MA in Political Science.

- Dean Steinmetz led a discussion concerning the need to update the College’s bylaws to comply with changes made at the University level. Included in the discussion was the issue of staff membership on the College Assembly and the College Academic Council was discussed. The CAC will receive some suggested revisions of the bylaws for comment in the near future. Eventually, the suggested revisions will be taken to the College Assembly for discussion and vote.

- The meeting was adjourned at 4:30 p.m.

- The next CAC meeting will be Tuesday, March 11, 2008 at 4:00 p.m. in 210 Strong Hall.
II. REPORT OF THE COMMITTEE ON UNDERGRADUATE STUDIES AND ADVISING (CUSA)

A. Curricular Changes for Approval

**AFRICAN & AFRICAN AMERICAN STUDIES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAAS 302</td>
<td>CONTEMPORARY HAITI 3 H</td>
<td></td>
<td>(OLD) Detailed analysis of recent Haitian history. The focus will include interactions between religion, social structure, politics, economics and international relations. Prerequisite: AAAS 301/HAIT 200, or consent of instructor.</td>
</tr>
<tr>
<td>AAAS 302</td>
<td>CONTEMPORARY HAITI 3 H</td>
<td></td>
<td>(NEW) Detailed analysis of recent Haitian history. The focus will include interactions between religion, social structure, politics, economics and international relations. Prerequisite: AAAS 301/HAIT 200, or consent of instructor. (Same as HAIT 300)</td>
</tr>
<tr>
<td>AAAS 611</td>
<td>HISTORY OF THE BLACK POWER MOVEMENT 3 H</td>
<td></td>
<td>Examines the Black Power Movement in its many manifestations, beginning with a discussion of its political and cultural background: the transition from Civil Rights to Black Power in the African American Freedom Movement of the 1960s; the impact on African Americans of African decolonization and the spread of anti-colonial and anti-imperialist movements throughout other parts of the globe. The course also examines the Black Arts Movement and its influence on the Black Power Movement and vise 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. Prerequisite: AAAS 511 not required but recommended.</td>
</tr>
<tr>
<td>AAAS 630</td>
<td>THE LIFE AND INTELLECTUAL THOUGHT OF W. E. B. DU BOIS 3 H</td>
<td></td>
<td>A critical examination 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. Moreover, the course deals with Du Bois as an intellectual in conversation with other black thinkers, including individuals such as, Booker T. Washington, Alexander Crummell, Anna Julia Copper, Ida B. Wells-Barnett, Marcus Garvey, E. Franklin Frazier, Walter White and Thurgood Marshall.</td>
</tr>
<tr>
<td>AMHR 110</td>
<td>ELEMENTARY AMHARIC I 5.0 U</td>
<td></td>
<td>Basic level of oral fluency and aural comprehension. Vocabulary acquisition, pronunciation, grammar, and writing. Reading of simple texts. Not open to native speakers of Amharic.</td>
</tr>
<tr>
<td>AMHR 120</td>
<td>ELEMENTARY AMHARIC II 5.0 U</td>
<td></td>
<td>A continuation of AMHR 110. Readings in cultural texts. Prerequisite: AMHR 110.</td>
</tr>
<tr>
<td>AMHR 210</td>
<td>INTERMEDIATE AMHARIC I 3.0 U</td>
<td></td>
<td>Intermediate oral proficiency and aural comprehension. Systematic review of grammar. Writing skills beyond the basic level. Introduction to modern Amharic texts and discussion in Amharic. Prerequisite AMHR 120.</td>
</tr>
</tbody>
</table>
AMHR 220
INTERMEDIATE AMHARIC II 3.0 U

HAIT 300
CONTEMPORARY HAITI 3 H
(OLD) Detailed analysis of recent Haitian history. The focus will include interactions between religion, social structure, politics, economics and international relations. Prerequisite: AAAS 301/HAIT 200, or consent of instructor.

HAIT 300
CONTEMPORARY HAITI 3 H
(NEW) Detailed analysis of recent Haitian history. The focus will include interactions between religion, social structure, politics, economics and international relations. Prerequisite: AAAS 301/HAIT 200, or consent of instructor. (Same as AAAS 302)

APPLIED BEHAVIORAL SCIENCE

ABSC 100
INTRODUCTION TO APPLIED BEHAVIORAL SCIENCE 3 SI S
(OLD) This course introduces students to the principles of scientific inquiry in applied behavioral science: objectivity, definitions, observation, reliability, validity, correlation and its limitations, causation, experimental design and analysis, and the interpretation of data. These principles are presented in the context of solving individual and societal problems across the lifespan, for example, in early childhood education, public health, developmental disabilities (e.g., autism), delinquency, independent living for people with disabilities, educational systems, and gerontology.

ABSC 100
INTRODUCTION TO APPLIED BEHAVIORAL SCIENCE 3 SI S
(NEW) An introduction to the principles of behavioral science and their application to problems facing contemporary societies (e.g., autism, public health, education, juvenile delinquency, substance abuse). Students learn how behavioral scientists analyze human behavior and how these analyses are used to inform interventions. Students also learn about careers in the behavioral sciences.

ASTRONOMY

ASTR 294
THE QUEST FOR EXTRATERRESTRIAL LIFE 3 N
(OLD) An introduction to the search for planets around other stars and for life in the universe beyond the earth. A discussion of the astronomical conditions under which life might form and the biological conditions of life formation and evolution. Methods of searching for extraterrestrial life. Does not satisfy major requirements. Prerequisite: An introductory course in biology or astronomy.

ASTR 394
THE QUEST FOR EXTRATERRESTRIAL LIFE 3 N
(NEW) An introduction to the search for planets around other stars and for life in the universe beyond the earth. A discussion of the astronomical conditions under which life might form and the biological conditions of life formation and evolution. Methods of searching for extraterrestrial life. Pre-requisite: an introductory course in biology, astronomy or geology.

ASTR 596
OBSERVATIONAL ASTROPHYSICS 1-3 N
(OLD) Students learn skills involved in modern observational techniques using the facilities of the KU observatory. Maximum credit, six hours. Prerequisite: ASTR 592.

ASTR 596
OBSERVATIONAL ASTROPHYSICS 1 N
Students acquire practical experience with astronomical equipment and data reduction techniques used in research and educational contexts. Pre- or co-requisite: ASTR 591

**ATMOSPHERIC SCIENCE**

<table>
<thead>
<tr>
<th>Change: Course Description</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ATMO 606</strong></td>
<td>FORECASTING PRACTICUM - TELEVISION  2 N</td>
</tr>
<tr>
<td>Change: Old</td>
<td>Practical experience in the analysis and preparation of weather forecasts. Students will use current meteorological data from the National Weather Service network to prepare forecasts for use on television. May be repeated for credit. Credit for ATMO 605, ATMO 606, and ATMO 607 is limited to a total of eight hours, six of which may be counted toward a degree in atmospheric science. Prerequisite: ATMO 605.</td>
</tr>
<tr>
<td>Change: New</td>
<td>Practical experience in private industry working with current and/or archived meteorological data. Possibilities include the preparation of forecasts for TV stations and meteorological consulting firms, and working with environmental consulting firms to assess air pollution hazards. May be repeated two times for credit. Credit for ATMO 605, ATMO 606, and ATMO 607 is limited to a total of eight hours, six of which may be counted toward a degree in atmospheric science. Prerequisite: ATMO 605.</td>
</tr>
</tbody>
</table>

**Change: Prerequisite**

<table>
<thead>
<tr>
<th>ATMO 634</th>
<th>PHYSICAL CLIMATOLOGY  3 N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change: Old</td>
<td>Atmospheric processes are described and discussed in relation to the climate of the earth's surface. Such topics as the greenhouse effect, ozone depletion, and the effect of solar irradiance on climatic change will be included. The physical processes and relationships between various climatic features will be studied. Prerequisite: ATMO 505, BUS 368.</td>
</tr>
<tr>
<td>Change: New</td>
<td>Atmospheric processes are described and discussed in relation to the climate of the earth's surface. Such topics as the greenhouse effect, ozone depletion, and the effect of solar irradiance on climatic change are included. The physical processes and relationships between various climatic features are studied. Prerequisite: ATMO 505 and DSCI 301 or MATH 526.</td>
</tr>
</tbody>
</table>

**EAST ASIAN LANGUAGES & CULTURES**

<table>
<thead>
<tr>
<th>Change: New Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EALC 380</strong></td>
<td>POPULAR CULTURES OF EAST ASIA  3 H</td>
</tr>
<tr>
<td>Change: New</td>
<td>This course examines the contemporary popular cultures of Korea, Japan, China, and Taiwan, with particular emphasis on relations between East Asia and North America. Students study the issue of globalization and how the transnational flow of commodities and culture affects local societies and individual identities. They learn to identify, describe, and analyze the cross-cultural content of popular cultural artifacts and modes of expression relating to East Asia. To this end, they explore in detail such subjects as: fashion, foodways, cinema, manga, soap operas, and punk rock. Not open to students who have taken EALC 580.</td>
</tr>
<tr>
<td>Change: New</td>
<td>This course examines the contemporary popular cultures of Korea, Japan, China, and Taiwan, with particular emphasis on relations between East Asia and North America. Students study the issue of globalization and how the transnational flow of commodities and culture affects local societies and individual identities. They learn to identify, describe, and analyze the cross-cultural content of popular cultural artifacts and modes of expression relating to East Asia. To this end, they explore in detail such subjects as: fashion, foodways, cinema, manga, soap operas, and punk rock. More extensive writing requirements than 380. Not open to students who have taken EALC 380.</td>
</tr>
</tbody>
</table>
KOR 504 ADVANCED MODERN KOREAN I  5  H
(OLD) Five hours of class and two of drill. Readings in selected modern Korean texts on various topics: history, literature, society, and language. Prerequisite: KOR 208 or equivalent.

KOR 504 ADVANCED MODERN KOREAN I  3  H
(NEW) Readings in and discussion of selected modern Korean texts on various topics: history, literature, society, and language. Prerequisite: KOR 208 or equivalent.

KOR 508 ADVANCED MODERN KOREAN II  5  H W
(OLD) Continuation of KOR 504. Prerequisite: KOR 504 or equivalent.

KOR 508 ADVANCED MODERN KOREAN II  3  H W
(NEW) Continuation of KOR 504. Prerequisite: KOR 504 or equivalent.

ENGLISH

CHANGE: COURSE DESCRIPTION  TITLE
ENGL 359 GRAMMAR AND USAGE FOR COMPOSITION  3  H
(OLD) A course in traditional grammar and principles of former usage for students who need additional practice or development of skill in composition. Does not count towards the 40-hour maximum allowed for the English major. (This course is offered only through Continuing Education.) Pre-requisite: Completion of English 101 and English 102 or their equivalent.

ENGL 359 ENGLISH GRAMMAR  3  H
(NEW) A course in traditional English grammar for students who wish to understand and be able to analyze English sentence structure. Students might apply the course to studies of style (their own or other authors'), rhetorical analysis, literary interpretation, or teaching. Pre-requisite: Completion of English 101 and 102 or their equivalent.

CHANGE: NEW CROSS-LISTED COURSE
ENGL 400 TEACHING AND TUTORING WRITING  3  U
Students explore theories and strategies of teaching and tutoring writing across academic disciplines. They learn more about themselves as writers as they build a repertoire of writing techniques useful in their studies, in the workplace, and in their personal lives. By observing and consulting in the writing center, they understand how reflection leads to responsible/responsive and engaged practice. (Same as LA&S 400)

CHANGE: NEW COURSE
ENGL 521 LITERATURE FROM THE RENAISSANCE TO 1800: _______________  3  H
A Study of texts written between 1485 and 1800. May be organized around a particular genre (e.g. poetry, prose, or drama), historical period (e.g. Elizabethan literature; literature of the English Civil War; eighteenth-century literature), a group of writers (e.g. women writers), or a theme (e.g. "Renaissance English Literature and the Environment" or "Sex, Politics and Drama 1660-1800"). Students are expected to practice research skills in their written assignments. May be repeated for credit as topic varies. Pre-requisite: Prior completion of the freshman-sophomore English requirement or its equivalent.

CHANGE: NEW COURSE
ENGL 578 POETRY, 1900-1945  3  H
A Study of English-language poetry of the early twentieth century. Pre-requisite: Prior completion of the freshman-sophomore English requirement or its equivalent.

CHANGE: COURSE DESCRIPTION  TITLE
ENGL 579 AMERICAN AND BRITISH POETRY SINCE 1945  3  H
The study of a large number of British and American poets, primarily those from 1945 to the present. Attention is given both to traditional and to innovative aspects of the poetry.

**ENGL 579**
**POETRY SINCE 1945 3 H**
A study of English-language poetry from the mid-twentieth century to the present. Pre-requisite: Prior completion of the freshman-sophomore English requirement or its equivalent.

**ENGL 679**
**AMERICAN POETRY OF THE TWENTIETH CENTURY 3 H**
A Study of American Poetry from E.A. Robinson and Robert Frost to the present.

**ENGL 690**
**STUDIES IN:____ 3 H**
A study of a major topic of concern to English literature. May be repeated for credit as the topic changes. Pre-requisite: Prior completion of the freshman-sophomore English requirement or its equivalent.

**FRENCH & ITALIAN**

**ITAL 107**
**ELEMENTARY ITALIAN CONVERSATION I 3 U**
Offers knowledge of essential grammar and basic oral communication skills through extensive practice in grammar, listening comprehension, and conversation. Active participation required. Strongly recommended for participants in Italian study abroad programs and students in professional schools. Completion of both ITAL 107 and ITAL 108 counts toward partial fulfillment of language requirement and allows students to enroll in ITAL 120.

**ITAL 107**
**ELEMENTARY ITALIAN CONVERSATION I 3 U**
A continuation of ITAL 107. Completion of both ITAL 107 and ITAL 108 is equivalent to ITAL 110 and allows students to enroll in ITAL 120. Prerequisite: ITAL 107 or Italian Coordinator's approval.

**HISTORY**

**HIST 333**
**EUROMETRO: VISIONS OF THE EUROPEAN METROPOLIS, 1840-1939 3 H**
This course investigates the interrelated symbols of the European metropolis during the "Age of Great Cities", from the filth of the sewers to the "filthiness" of prostitution. Students investigate gender and class in the metropolis by exploring a few stereotypes:
the juvenile delinquent, the woman on the street, and the flaneur. The course format stresses discussion of common texts, including short readings of literature from the period and historical scholarship. Students also analyze contemporary photographs, art, architecture, and advertising.

CHANGE: NEW COURSE

HIST 451  SUBURBIA  1.5  H
A history of the growth of suburban enclaves, from their emergence during the electric streetcar era to their dominance in the late 20th century. This short course features the analysis of class dynamics, racial exclusions, commuting, social conformity and the alienation of the young within a U.S. context, but some attention is given to comparisons with other parts of the world.

CHANGE: NEW COURSE

HIST 452  CHICAGO  1.5  H
A history of the Midwestern metropolis from its origins as a swamp to an industrial port city. Topics covered in this short course may include the meat-packing industry, political corruption and reform, immigration and migration, the rise and demise of neighborhoods, transportation systems, working-class social movements, modern architecture and urban popular culture.

CHANGE: NEW COURSE

HIST 453  ANARCHISM: A GLOBAL HISTORY  1.5  H
This short course examines the key theorists and organizers of the anarchist movement, beginning with its emergence in the 19th century and extending into its reappearance in the 21st century. It traces developments in Europe, South America, Asia and the United States. Topics may include the Paris Commune, credit unions, propaganda by the deed, wage slavery, resistance to authority, and the general strike.

CHANGE: NEW COURSE

HIST 454  WORK  1.5  H
This short course traces the evolution of work from pre-industrial times to the computerized workplace. Issues such as the meaning of work, dignity and respect, time efficiency and exploitation, unionization and strikes, workplace democracy, collectives and worker-owned businesses, laziness as a form of resistance to authority, leisure, the culture of commuting, and hierarchy and status are explored. The evolution of work in non-U.S. societies is analyzed comparatively.

INDIGENOUS NATIONS STUDIES

CHANGE: NEW COURSE

INS 101  INTRODUCTION TO INDIGENOUS NATIONS STUDIES  3  S
An introduction to the study of Indigenous peoples. It surveys the concepts, methods, and content relevant to Applied Indigenous Studies, using case studies drawn from diverse cultures. The course illustrates that the social, political, religious, and economic aspects of American Indian life are interconnected and that tribal histories cannot be understood without an awareness of these fields. Students are introduced to controversies over how to research, write, and interpret American Indians, and will address the foundations of Indigenous Studies, and that is Indigenous concepts of decolonization, empowerment and Nation-building. The course explores how the lives of Indigenous people have been affected by colonization, while exploring the varying definitions of "colonialism", "colonizer" and the "colonized."

CHANGE: NEW COURSE

INS 504  TOPICS IN INDIGENOUS NATIONS STUDIES:_____  3  S
This course concentrates on selected problems in the interdisciplinary field of Indigenous Nations Studies. Courses in this field utilize methods developed in various disciplines in order to examine issues related to the survival, self-sufficiency, mutual support, empowerment, and decolonization of Indigenous Peoples throughout the world. May be repeated for credit when the topic differs. Recommended for juniors or seniors, or for students who have completed INS 101.

INS 510  INDIGENOUS WOMEN AND ACTIVISM  3 S
Examines the roles of activist Indigenous women in politics, social work, academia, business, environmental and health issues. Compares and contrasts the ideology of the predominantly white feminist movement with the goals and concerns of the "Red Power" movement and emphasizes Indigenous socio-cultural values and concerns. Profiles prominent Indigenous female activists, tribal leaders and writers, in addition to topics of serious concern to Indigenous women: violence, racism, loss of culture and language, education, health care and other manifestations of continued colonization.

LIBERAL ARTS & SCIENCES

LA&S 400  TEACHING AND TUTORING WRITING  3 U
(OLD) Students explore theories and strategies of teaching and tutoring writing across academic disciplines. They learn more about themselves as writers as they build a repertoire of writing techniques useful in their studies, in the workplace, and in their personal lives. By observing and consulting in the writing center, they understand how reflection leads to responsible/responsive and engaged practice.

LA&S 400  TEACHING AND TUTORING WRITING  3 U
(NEW) Students explore theories and strategies of teaching and tutoring writing across academic disciplines. They learn more about themselves as writers as they build a repertoire of writing techniques useful in their studies, in the workplace, and in their personal lives. By observing and consulting in the writing center, they understand how reflection leads to responsible/responsive and engaged practice. (Same as ENGL 400)

POLITICAL SCIENCE

POLS 330  INTRODUCTION TO PUBLIC ADMINISTRATION  3.0 S
Survey of public administration, focusing on bureaucratic organizations, the democratic context of public organizations, bureaucratic politics, public management, personnel, budgeting, and inter-governmental relations. (Same as PUAD 330.) Prerequisite: POLS 110.

POLS 331  INTRODUCTION TO PUBLIC ADMINISTRATION, HONORS  3.0 S
Survey of public administration for honors students, focusing on bureaucratic organizations, the democratic context of public organizations, bureaucratic politics, public management, personnel, budgeting, and inter-governmental relations. (Same as PUAD 331.) Prerequisite: POLS 110.

PSYCHOLOGY

PSYC 299  CONCEPTUAL ISSUES IN PSYCHOLOGY  3 S
### PSYC 499

**CONCEPTUAL ISSUES IN PSYCHOLOGY 3 S**

This course examines classic issues in psychology—free-will and determinism, nature and nurture, the mind-body problem, approaches to human action, cultural influences on psychological theories, the evolution of intellectual paradigms, and inductive and deductive approaches to social scientific research from multiple perspectives within psychology and related social sciences. Prerequisite: PSYC 104 or equivalent.

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### PUBLIC ADMINISTRATION

**PUAD 330**

**INTRODUCTION TO PUBLIC ADMINISTRATION 3 U**

Introduction to administration, public policy and policy makings is the study of government workers, the organizations in which they work, how they are financed, and how government engages citizens to help form and maintain community. In various ways, the class sessions will explore the three important issues of public administration: discretion, authority, and accountability. (Same as POLS 330)

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**PUAD 331**

**INTRODUCTION TO PUBLIC ADMINISTRATION, HONORS 3 U**

Introduction to administration, public policy, and policy making, for honors students is the study of government workers, the organizations in which they work, how they are financed, and how government engages citizens to help form and maintain community. In various ways, the class sessions will explore the three important issues of public administration: discretion, authority, and accountability. (Same as POLS 331)

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### RELIGIOUS STUDIES

**REL 406**

**READING THE ASIAN RELIGIOUS CLASSICS 3 H**

A close reading of classic texts of Asian religions in English translation, with emphasis on their construction and reception as sacred "scripture" in both their indigenous Asian contexts and in the post-colonial West. No prior knowledge of Asia is required, although some background is desirable.
<table>
<thead>
<tr>
<th>COURSE NUMBER</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH&amp;F 518</td>
<td>SCENOGRAPHY I</td>
<td>3</td>
<td>Study of the techniques of design research and technical production. Exploration and solutions of simple scenographic problems. Prerequisite: Nine hours in theatre/design/technical courses.</td>
</tr>
<tr>
<td>TH&amp;F 518</td>
<td>SCENOGRAPHY AND THE CLASSIC SCRIPT</td>
<td>3</td>
<td>Holistic production design, including lighting, scenery, and costumes, for classic theatre scripts as applied to theatre or film. Contrasts historical styles of production with styles for contemporary spaces and audiences. Projects tailored to the needs and level of the students. Prerequisite: Consent of instructor.</td>
</tr>
<tr>
<td>TH&amp;F 519</td>
<td>SCENOGRAPHY II</td>
<td>3</td>
<td>Continuation of TH&amp;F 518. Prerequisite: TH&amp;F 518.</td>
</tr>
<tr>
<td>TH&amp;F 519</td>
<td>SCENOGRAPHY AND THE MODERN SCRIPT</td>
<td>3</td>
<td>Holistic production design, including lighting, scenery, and costumes, for modern theatre scripts as applied to theatre or film. Examines modern styles of production. Projects tailored to the needs and level of the students. Prerequisite: Consent of instructor.</td>
</tr>
<tr>
<td>TH&amp;F 618</td>
<td>SCENOGRAPHY III</td>
<td>3</td>
<td>Advanced problems in scenography. Exploration of the problems confronted by the scenographer in arriving at a theatrically comprehensive, metaphorical statement for all visual and auditory dimensions of the play under his/her control: scenery, costumes, lighting, sound. Prerequisite: TH&amp;F 519.</td>
</tr>
<tr>
<td>TH&amp;F 618</td>
<td>SCENOGRAPHY AND THE MUSICAL THEATRE</td>
<td>3</td>
<td>Holistic production design, including lighting, scenery, and costumes, for musical theatre, opera, and dance. Examines development and changes in design styles in the evolution of musical theatre, opera, and dance and the special requirements of these forms. Projects tailored to the needs and level of the students. Prerequisite: Consent of instructor.</td>
</tr>
<tr>
<td>TH&amp;F 619</td>
<td>SCENOGRAPHY IV</td>
<td>3</td>
<td>Continuation of TH&amp;F 618. Prerequisite: TH&amp;F 619.</td>
</tr>
<tr>
<td>TH&amp;F 619</td>
<td>SCENOGRAPHY AND THE CONTEMPORARY SCRIPT</td>
<td>3</td>
<td>Holistic production design, including lighting, scenery, and costumes, for contemporary scripts as applied to theatre or film. Examines contemporary episodic scripts written for the stage that are based on a filmic structure, the special problems of these kinds of scripts, and the respective problems of designing for theatre and film. Projects tailored to the needs and level of the students. Prerequisite: Consent of instructor.</td>
</tr>
<tr>
<td>TH&amp;F 620</td>
<td>SCENOGRAPHY AND THE EXPERIMENTAL PRODUCTION</td>
<td>3</td>
<td>Holistic production design, including lighting, scenery, and costumes, for experimental scripts/scenarios as applied to theatre or film. Examines experimental approaches to a variety of script/scenarios, including mixed-media production. Projects tailored to the needs and level of the students. Prerequisite: Consent of instructor.</td>
</tr>
</tbody>
</table>
B. Degree Requirements

1. New option for BS Geology – Earth & Space Science Licensure Option

PROPOSAL
UKanTeach is a new, additional pathway to secondary teacher licensure in Geology. Our goal is to create a new concentration in Geology for secondary teaching licensure so students will be able to complete a four-year program that will lead to a degree in Geology and a teaching license. Currently there is no program that offers this option on campus.

UKanTeach is a partnership between the KU College of Liberal Arts and Sciences, the KU School of Education, and Kansas school districts. UKanTeach plans to double the number of KU math and science teachers graduating each year, resulting in approximately 50 new teachers each year.

The requirements of the new concentration are outlined in full in the attached degree plan.

JUSTIFICATION
Kansas has a critical shortage of secondary mathematics and science teachers. The UKanTeach concentration will attract additional KU students to teaching because students who select this concentration will be able to obtain a degree in Geology and be eligible for teacher licensure in a four-year program. Students will be able to keep their career options open as they proceed through their Geology degree. Other universities have found that a high percentage of these graduates will decide to teach Geology.

---

<table>
<thead>
<tr>
<th>College of Liberal Arts and Sciences University of Kansas</th>
<th>Degree Requirements Checklist Earth &amp; Space Science Licensure <a href="http://www.UKanTeach.KU.edu">www.UKanTeach.KU.edu</a></th>
<th>Bachelor of Science in Geology 2008-2010 Catalog</th>
</tr>
</thead>
<tbody>
<tr>
<td>UKanTeach Main Office 785-840-0337</td>
<td></td>
<td>Geology Department Main Office 784-864-4974</td>
</tr>
</tbody>
</table>

This program is designed to fulfill the requirements necessary for a Bachelor of Science in Geology. The program is also designed to fulfill the course requirements necessary to gain state licensure eligibility in earth and space science to become a secondary teacher in Kansas, but completion of the program does not guarantee the student’s licensure. This checklist has been created as a guideline and is not considered to be an official document. Contact the UKanTeach Office for further information about meeting degree and additional licensure requirements. You may also contact the UKanTeach Office for information regarding similar tracks resulting in eligibility for licensure in this and other science and mathematics fields.

**GENERAL REQUIREMENTS**: These courses must be taken on a letter-grade basis.

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English: ENGL 101 AND ENGL 102 (OR Equivalent)</td>
<td>6</td>
</tr>
<tr>
<td>Communication/logic: COMS 130 OR COMS 150 (OR Exemption/Examination)</td>
<td>3</td>
</tr>
<tr>
<td>Humanities: ONE Course, must be from the Principal Course Distribution List (see Undergraduate Catalog) AND HIST 136 Early Science to 1700 (OR Equivalent Approved by UKanTeach)</td>
<td>6</td>
</tr>
<tr>
<td>Social Science: TWO Courses, preferably from the Principal Course Distribution List (see Undergraduate Catalog) AND</td>
<td>6</td>
</tr>
</tbody>
</table>

**MAJOR/GENERAL SCIENCE REQUIREMENTS**: A minimum grade of C is required in all courses counted toward major

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics: MATH 121 Calculus I (5 hrs) AND MATH 122 Calculus II (5 hrs) OR MATH 115 Calculus I (3 hrs) AND MATH 116 Calculus II (3 hrs)</td>
<td>10-11</td>
</tr>
<tr>
<td>AND MATH 122 Calculus II (5 hrs)</td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td></td>
</tr>
<tr>
<td>Physics:</td>
<td></td>
</tr>
<tr>
<td>PHSX 211 General Physics I (4 hrs) ____ AND PHSX 212 General Physics II (4 hrs) ____ 8</td>
<td></td>
</tr>
<tr>
<td>Chemistry:</td>
<td></td>
</tr>
<tr>
<td>CHEM 184 (OR 185) Foundations of Chemistry I (5 hrs) ____ AND CHEM 188 (OR 189) Foundations of Chemistry II (5 hrs) ____ 10</td>
<td></td>
</tr>
<tr>
<td>Biology:</td>
<td></td>
</tr>
<tr>
<td>BIOL 150 (OR 151, Honors) Principles of Molecular &amp; Cellular Biology (4 hrs) ____ AND BIOL 152 (OR 153, Honors) Principles of Organismal Biology (4 hrs) ____ 8</td>
<td></td>
</tr>
<tr>
<td>Geology Core Requirements:</td>
<td></td>
</tr>
<tr>
<td>GEOL 101 Introduction to Geology (3 hrs) ____ AND GEOL 103 Geology Fundamentals Lab (2 hrs) ____ GEOL 311 Mineralogy and Structure of the Earth (3 hrs) ____ GEOL 331 Sedimentology and Surface Processes (4 hrs) ____ GEOL 360 Field investigation (2 hrs) ____ GEOL 521 Paleontology (3 hrs) ____ AND GEOL 523 Paleontology Lab (1 hr) ____ GEOL 532 Stratigraphy (4 hrs) ____ GEOL 552 Introduction to Hydrogeology (3 hrs) ____ GEOL 560 Introductory Field Geology (3 hrs) ____ GEOL 562 Structural Geology (4 hrs) ____ 32</td>
<td></td>
</tr>
<tr>
<td>Space Science Core Requirements:</td>
<td></td>
</tr>
<tr>
<td>ATMO 105 Introduction to Meteorology (5 hrs) ____ ASTR 191 Contemporary Astronomy (3 hrs) ____ ASTR 196 Introductory Astronomy lab (1 hr) ____ 9</td>
<td></td>
</tr>
<tr>
<td>Earth &amp; Space Electives:</td>
<td></td>
</tr>
<tr>
<td>FOUR HOURS in geology course numbered 300 or above OR FOUR HOURS in astronomy courses numbered 300 or above 4</td>
<td></td>
</tr>
<tr>
<td>Research Methods:</td>
<td></td>
</tr>
<tr>
<td>CHEM 598 Research Methods ____ (OR Equivalent Course Approved by UKanTeach in Major Field of Study) 3</td>
<td></td>
</tr>
</tbody>
</table>

PROFESSIONAL DEVELOPMENT COURSEWORK REQUIREMENTS: A minimum grade of C is required in all courses

| Liberal Arts & Sciences: LA&S 290 UKan 1 (1 hr) ____ AND LA&S 291 UKan2 (1 hr) ____ 2 |
| Curriculum & Teaching: C&T 448 Reading and Writing across the Curriculum (3 hrs) ____ AND 16 HOURS of Courses Approved by UKanTeach in Curriculum & Teaching These should include courses such as Classroom Interactions (3 hrs), Knowing and Learning (3 hrs), Project Based Instruction (3 hrs), Student Teaching (6 hrs), and Special Topics Seminar (1 hr) 19 |

SUMMARY OF MINIMUM NUMBER OF HOURS FOR DEGREE

<table>
<thead>
<tr>
<th>General Requirements</th>
<th>Major/General Science Requirements</th>
<th>Professional Development Coursework Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 Hours</td>
<td>84 Hours</td>
<td>21 Hours</td>
</tr>
<tr>
<td>TOTAL HOURS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2. Principal Course Status

**AAAS 104**  
INTRODUCTION TO AFRICAN-AMERICAN STUDIES

**DESCRIPTION**  
Interdisciplinary introduction to the basic concepts and literature in the disciplines covered in African-American Studies. Includes the social sciences, and humanities (including history, religion, & literature) as well as conceptual framework for investigation and analysis of Black history and culture and society

**JUSTIFICATION**  
AAAS Department has two main components – African and African-American. The new principal course is designed to service the latter component. It will also facilitate progress towards graduating in four years for our majors and other students. This is the first time we are offering an introduction to African-American Studies as distinct from the current introduction to Africa. The course will lay a foundation for the African-American Studies component and ease congestion in our other principal courses.

**ECON 110**  
THE ECONOMICS OF GLOBALIZATION

**DESCRIPTION**  
The course emphasizes the application of economic methods of analysis to the public policy issues that globalization creates. Topics covered may include the following: winners and losers from trade, links between trade and labor markets, links between trade and foreign investment, the international financial system and exchange rates, outsourcing and multinational corporations, international institutions and regional trade agreements.

**JUSTIFICATION**  
The economics department is requesting the approval of this new course because of the increased emphasis on globalization on campus. Many other departments are teaching courses concerning globalization, and the Economics Department believes that our methods would serve KU students well.

The request for a principal course is based on the nature of the topics considered. Basic issues concerning opportunity cost, comparative advantage, specialization in production and price determination originated in the study of international economics.

3. Non-Western Culture Status

**EALC 380**  
POPULAR CULTURES OF EAST ASIA

**DESCRIPTION**  
This course examines the contemporary popular cultures of Korea, Japan, China, and Taiwan, with particular emphasis on relations between East Asia and North America. Students will study the issue of globalization and how the transnational flow of commodities and culture affects local societies and individual identities. They will learn to identify, describe, and analyze the cross-cultural content of popular cultural artifacts and modes of expression relating to East Asia. To this end, they will explore in detail such subjects as: fashion, foodways, cinema, manga, soap operas, and punk rock. Not open to students who have taken EALC 580.

**JUSTIFICATION**
This course fits the design of NW courses in that it is broad and introductory in scope and is adequate in itself if it were to be the only course a student took in the field.

**ACTION: New Course**

**EALC 580  POPULAR CULTURES OF EAST ASIA**

**DESCRIPTION**
This course examines the contemporary popular cultures of Korea, Japan, China, and Taiwan, with particular emphasis on relations between East Asia and North America. Students will study the issue of globalization and how the transnational flow of commodities and culture affects local societies and individual identities. They will learn to identify, describe, and analyze the cross-cultural content of popular cultural artifacts and modes of expression relating to East Asia. To this end, they will explore in detail such subjects as: fashion, foodways, cinema, manga, soap operas, and punk rock. More extensive writing requirements than 380. Not open to students who have taken EALC 380.

**JUSTIFICATION**
This course (offered together with EALC 380) fits the design of NW courses in that it is broad and introductory in scope and is adequate in itself if it were to be the only course a student took in the field.

**ACTION: Existing course**

**HAIT 300  CONTEMPORARY HAITI**

**DESCRIPTION**
Detailed analysis of recent Haitian history. The focus will include interactions between religion, social structure, politics, economics and international relations. Prerequisite: AAAS 301/HAIT 200, or consent of instructor

**JUSTIFICATION**
HAIT 300 is the same course as AAAS 302, except that the latter is designated as a NW culture course and the former is not. The Department would like HAIT 300 to bear the NW designation since students who enroll in it are taught exactly the same thing as those in AAAS 302.

**ACTION: New course**

**INS 504  TOPICS IN INDIGENOUS NATIONS STUDIES**

**DESCRIPTION**
This course concentrates on selected problems in the interdisciplinary field of Indigenous Nations Studies. Courses in this field utilize methods developed in various disciplines in order to examine issues related to the survival, self-sufficiency, mutual support, empowerment, and decolonization of Indigenous Peoples throughout the world. May be repeated for credit when the topic differs. Recommended for juniors or seniors, of for students who have completed INS 101.

**JUSTIFICATION**
The Indigenous Nations Studies Program currently offers the M.A. degree. It is a small program established almost ten years ago. The program is poised to have a stronger presence on campus and to have an intellectual impact on undergraduate students through the strategic development of undergraduate courses. As a small program, there is sufficient teaching capacity for additional students. Some undergraduate students have approached the program to inquire about undergraduate classes and even the possibility of an undergraduate minor. At present, the program seeks to strategically identify courses that may attract undergraduate students and also contribute to meeting the requirement for knowledge of a non-Western culture. The purpose of non-Western culture courses is “to acquaint students with the culture, society, and values of a non-Western people. This must be understood to include peoples indigenous to Asia, the Pacific Islands, the Middle East, and Africa, as well as autochthonous Native American cultures” (College of Liberal Arts and Sciences, memo, October 30, 1985, provided by Karen Ledom). The proposed
topics course will allow the program the flexibility to offer some of its current topics courses (INS 804) also at the undergraduate level when the topic is appropriate. Usually INS 504 will meet with INS 804, with different graduate level requirements and grading criteria for graduate students receiving credit for INS 804. This topics course may also have an additional benefit for the Indigenous Nations Studies Program and for KU’s linkage with Haskell Indian Nations University (HINU). The Indigenous Nations Studies M.A. Program has often attracted a significant number of graduates from HINU. As a junior-senior level undergraduate course, the proposed INS 504 may sometimes attract advanced undergraduate students from HINU who can take advantage of the option of enrolling in a KU course; for such students, the course may serve as a "bridge" experience that will help prepare them for possible admission to the M.A. program in Indigenous Nations Studies and graduate study at KU. Specific undergraduate courses are being proposed at present. The “topics” course proposed here allows for greater flexibility that may lead to the development of additional undergraduate courses with their own unique course numbers.

**ACTION:** New Course

**INS 510  INDIGENOUS WOMEN AND ACTIVISM**

**DESCRIPTION**

This course will examine the roles of activist Indigenous women in politics, social work, academia, business, environmental and health issues. The class will compare and contrast the ideology of the predominantly white feminist movement with the goals and concerns of the “Red Power” movement and will emphasize Indigenous socio-cultural values and concerns. The course will also profile prominent Indigenous female activists, tribal leaders and writers, in addition to topics of serious concern to Indigenous women: violence, racism, loss of culture and language, education, health care and other manifestations of continued colonization.

**JUSTIFICATION**

The Indigenous Nations Studies Program currently offers the M.A. degree. It is a small program established almost ten years ago. The program is poised to have a stronger presence on campus and to have an intellectual impact on undergraduate students through the strategic development of undergraduate courses. As a small program, there is sufficient teaching capacity for additional students. Some undergraduate students have approached the program to inquire about undergraduate classes and even the possibility of an undergraduate minor. At present, the program seeks to strategically identify courses that may attract undergraduate students and also contribute to meeting the requirement for knowledge of a non-Western culture. The purpose of non-Western culture courses is “to acquaint students with the culture, society, and values of a non-Western people. This must be understood to include peoples indigenous to Asia, the Pacific Islands, the Middle East, and Africa, as well as autochthonous Native American cultures” (College of Liberal Arts and Sciences, memo, October 30, 1985, provided by Karen Ledom). The proposed "Indigenous Women and Activism" focuses particularly on approaches to analyzing, researching, and writing about activist Indigenous women and understanding their roles within and contributions to Native American cultures. This will be an undergraduate version of INS 810 Indigenous Women and Activism. The two courses will meet together, with graduate level requirements and grading criteria for graduate students receiving credit for INS 810. This particular course may also have an additional benefit for the Indigenous Nations Studies Program and for KU's linkage with Haskell Indian Nations University (HINU). The Indigenous Nations Studies M.A. Program has often attracted a significant number of graduates from HINU. As a junior-senior level undergraduate course, the proposed INS 510 may sometimes attract advanced undergraduate students from HINU who can take advantage of the option of enrolling in a KU course; for such students, the course may serve as a "bridge" experience that will help prepare them for possible admission to the M.A. program in Indigenous Nations Studies and graduate study at KU. Finally, it is hopeful that this course will be of interest to advanced undergraduate students from Women's Studies. Undergraduate students from Women's Studies have inquired about INS 810 in the past, but were hesitant to enroll because of the 800-level number.

4. Non-Western Culture Status for INS 101

**ACTION:** New Course
DESCRIPTION
An introduction to the study of Indigenous peoples. It surveys the concepts, methods, and content relevant to Applied Indigenous Studies, using case studies drawn from diverse cultures. The course illustrates that the social, political, religious, and economic aspects of American Indian life are interconnected and that tribal histories cannot be understood without an awareness of these fields. Students are introduced to controversies over how to research, write, and interpret American Indians, and will address the foundations of Indigenous Studies, and that is Indigenous concepts of decolonization, empowerment and Nation-building. The course will explore how the lives of Indigenous people have been affected by colonization, while exploring the varying definitions of “colonialism”, “colonizer” and the “colonized.”

JUSTIFICATION
The Indigenous Nations Studies Program currently offers the M.A. degree. It is a small program established almost ten years ago. The program is poised to have a stronger presence on campus and to have an intellectual impact on undergraduate students through the strategic development of undergraduate courses. As a small program, there is sufficient teaching capacity for additional students. Some undergraduate students have approached the program to inquire about undergraduate classes and even the possibility of an undergraduate minor. At present, the program seeks to strategically identify courses that may attract undergraduate students and also contribute to meeting the requirement for knowledge of a non-Western culture. The purpose of non-Western culture courses is “to acquaint students with the culture, society, and values of a non-Western people. This must be understood to include peoples indigenous to Asia, the Pacific Islands, the Middle East, and Africa, as well as autochthonous Native American cultures” (College of Liberal Arts and Sciences, memo, October 30, 1985, provided by Karen Ledom). The proposed “Introduction to Indigenous Nations Studies” focuses particularly on Indigenous cultures and establishes a basis for the comparative analysis of indigenous cultures in other countries as well. This freshman-sophomore course provides a broad survey of topics from the interdisciplinary field of Indigenous Nations Studies. The course will give KU undergraduate students a greater understanding of the cultures, societies, and values of non-Western peoples.

5. New Minor in Public Administration

PROPOSAL
This request is for a new minor. The proposed minor would require 18 hours of PUAD coursework. Six of these credits will consist of required core coursework, and the additional twelve will consist of elective PUAD courses. Students electing the minor in public administration must complete the following courses:

Core courses (6 credit hours)
PUAD 330 Introduction to Public Administration
PUAD 333 Hard Choices in Public Administration

Elective courses in PUAD (12 credit hours)
PUAD 430 Experts, Elected Officials, and Citizens
PUAD 431 Bureaucracy, Public Administration, and the Private Sector
PUAD 432 Conducting the Public’s Business Ethically
PUAD 433 Metropolitics and Macroproblems
PUAD 435 Generating, Allocating, and Managing Public Resources
PUAD 436 Managing People in Public Organizations
PUAD 601 Crime and Punishment
PUAD 602 Diversity and Public Administration
PUAD 603 The Nonprofit Sector: Formation, Leadership and Governance
PUAD 639 Community Engagement and the Civil Society
PUAD 693 Public Service Leadership and Community Building
PUAD 694 Topics in Public Administration: ______________________

JUSTIFICATION
Public Administration would like to begin offering a minor to accommodate existing demand for minors at the Edwards Campus.

6. New Minor, Public Policy in the U.S.

PROPOSAL
This is a proposal for a new minor in the Department of Political Science, which currently sponsors no minors. The minor is entitled Public Policy in the U.S. and involves coursework focused on domestic U.S. public policy and the political environment surrounding the making and implementation of such policy. The proposed minor consists of 18 credit hours of coursework which includes (1) POLS 110 Introduction to U.S. Politics or its honors equivalent POLS 111, (2) POLS 320 Introduction to Public Policy and (3) at least 12 hours of POLS courses at the Junior/Senior level from the list below. Nine hours of the Junior/Senior level courses must be taken in residence at KU. A minimum GPA of 2.0 is required. The list of courses that satisfies element #3 is as follows:

- POLS 493 Directed Readings (if appropriate content, 1-3)
- POLS 528 Environmental Justice and Public Policy (3)
- POLS 553 Comparative Environmental Politics (3)
- POLS 613 Comparative U.S. State Politics (3)
- POLS 614 Urban Politics (3)
- POLS 620 The 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 629 Topics in Public Policy: __________ (3)
- POLS 634 Bureaucratic Politics (3)
- POLS 720 Scope of Public Policy (graduate 3)

JUSTIFICATION
The discipline of political science includes five distinctive sub-fields, one of which is Public Policy. The sub-fields constitute natural sub-divisions for organizing coursework into meaningful, specialized minors and the department has decided to pursue such a minor rather than instituting a generalized disciplinary minor involving a diffuse assemblage of courses. As in the discipline generally, faculty specialization and course development here at KU emphasizes the domestic U.S. side of public policy. Non-domestic policy is conventionally incorporated in either the International Relations or the Comparative Politics sub-fields. Potentially, the department may develop additional minors in those subfields in the future, though the International Studies co-major already in existence is a vehicle for students not majoring in POLS to get a specialty in these areas.
### III. REPORT OF THE COMMITTEE ON GRADUATE STUDIES (CGS)

#### A. Curricular Changes for Approval

**GEOLOGY**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Old Title</th>
<th>New Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 751</td>
<td>Physical Hydrogeology</td>
<td>Physical and Transport Hydrogeology</td>
<td>Study of fluid flow in subsurface hydrologic systems. Investigation of the groundwater environment including porosity, hydraulic conductivity and their relationship to typical geologic materials. Examination of Darcy’s law and the continuity equation leading to the general flow equations. Discussion of typical hydraulic testing methods to estimate aquifer parameters in various situations and the use of these parameters to model future effects. Study of the basic mechanisms that determine the behavior of typical regional flow systems. (Same as CE 754). Prerequisite: Differential Equations and Introductory Hydrogeology or Fluid Mechanism, or consent of instructor. LEC</td>
</tr>
<tr>
<td>GEOL 751</td>
<td>Field and Laboratory Hydrogeology</td>
<td>Field and Laboratory Hydrogeology</td>
<td>Introduction to field and laboratory testing techniques used in hydrogeology. Practical experience with water level measurements, hydraulic testing (step-drawdown, slug, and pumping tests), sampling of wells for stable and unstable constituents, measurement of stable and unstable constituents, unsaturated zone sampling and measurement, and commonly used geophysical techniques. Field trips for data collection and observation. Prerequisite: Introductory course in hydrogeology and familiarity with computer use, or consent of instructor. FLD</td>
</tr>
<tr>
<td>GEOL 753</td>
<td>Chemical Hydrogeology</td>
<td>Chemical and Microbial Hydrogeology</td>
<td>A study of natural groundwater chemistry and an introduction to groundwater contamination chemistry, including discussion of origins and evolution of water and solutes because of speciation, solubility, sorption, ion exchange, and oxidation-reduction processes. Effects on groundwater quality, water-rock interactions (diagnosis), and surface-water interactions are included. (Same as CE 753.) Prerequisite: One year of chemistry, one year of calculus, and an introductory course in hydrogeology or equivalent, or consent of the instructor. LEC</td>
</tr>
<tr>
<td>GEOL 753</td>
<td>Chemical and Microbial Hydrogeology</td>
<td></td>
<td>Lecture and discussion of chemical and microbiological controls on groundwater chemistry. Topics include thermodynamic and microbial 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</td>
</tr>
</tbody>
</table>
and isotopic partitioning, microbial metabolic processes and microbial ecology. An overview of the basics 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.) Prerequisites: one year of chemistry, one year of calculus, one year of biology, an introductory course in hydrogeology, or consent of the instructors. LEC

CHANGE: DELETE COURSE

GEOL 754 Contaminant Transport (3) A study of the transport of conservative and non-conservative pollutants in subsurface waters. Case studies are used to illustrate and develop a conceptual understanding of such processes as diffusion, advection, dispersion, retardation, chemical reactions, and biogeneration. Computer models are developed and used to quantify these processes and gain an appreciation of modeling limitations. (Same as CE 776.) Prerequisite: Introductory course in hydrogeology and familiarity with computer use, consent of instructor. LEC

CHANGE: NEW COURSE

GEOL 851 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 geologic core sampling, and hydraulic testing. Prerequisite: Introductory course in hydrogeology and familiarity with computer use for data processing, or consent of instructor. FLD

CHANGE: NEW COURSE

GEOL 852 Field and Laboratory Methods: Contaminant Transport (1). Introduction to laboratory methods for evaluating reactive transport parameters, 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. LAB

CHANGE: NEW COURSE

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, choosing 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. FLD

CHANGE: NEW COURSE

GEOL 854 Field and Laboratory Methods: Geobiology (1). Practical experience in cultivating, enumerating and visualizing groundwater microorganisms. Geochemical and molecular techniques for studying microbial community diversity, biomineralization and mineral dissolution, and biodegradation of organic contaminants will be covered. Practical experience in collecting water samples for preservation of microorganisms sensitive to environmental changes such as oxygen level or temperature. Prerequisite: GEOL 753 (may be taken concurrently) or equivalent, or consent of the instructor. FLD