

COLLEGE OF ARTS AND SCIENCES
COURSE AND CURRICULUM CHANGES

Approved at the College Course and Curriculum Meeting

January 19, 2012
Eisenhower 212

10:30 a.m.

Undergraduate/Graduate
Expedited

Contact Person: Joe Aistrup
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No units outside the college will be affected

Please provide the sponsors of a proposal change with any information regarding fiscal or programmatic impact on your department, program or students

EXPEDITED COURSE PROPOSALS

Courses Numbered 000-599

Biology

FROM: BIOL 500 – Plant Physiology. (4) I. Detailed consideration of physiological processes of higher plants. Three hours lecture and three hours lab a week. Pr.: ~~BIOL 201 or BIOL 210 and a course in organic chemistry.~~

TO: BIOL 500 – Plant Physiology. (4) I. Detailed consideration of physiological processes of higher plants. Three hours lecture and three hours lab a week. Pr.: BIOL 198 and BIOCH 265 or another course in organic chemistry.

RATIONALE: BIOL 201 or BIOL 210 is currently required as a pre-requisite for BIOL 500. BIOL 210 is not currently offered and thus should be removed as a pre-requisite. The majority of students taking BIOL 500 are from majors outside of Biology, and BIOL 201 is not a required course for them, while BIOL 500 is required. In the past 4 years, students who haven't taken BIOL 201 have not performed worse than other students. This request will change the Biology pre-requisite to Biology's introductory course, Principles of Biology (BIOL 198). It also clarifies that BIOCH 265 is acceptable to fill the organic chemistry pre-requisite.

EFFECTIVE DATE: Fall 2012

Journalism and Mass Communications

FROM: MC 200 – News and Feature Writing. (3) I, II, S. Instruction in information gathering and writing techniques for the various media. Pr.: ~~Passing score on JMC composition skills test and 2.5 GPA upon completion of 12 or more credit hours.~~

TO: MC 200 – News and Feature Writing. (3) I, II, S. Instruction in information gathering and writing techniques for the various media. Pr.: Completion of MC 110 with a grade of C or better and a passing score on JMC composition skills test.

RATIONALE: Prerequisite changes to require prior completion of MC110, a required course for completion of the major, and to drop current GPA requirements. This

will bring the prerequisites for this beginning writing course in line with the prerequisites for our other beginning writing course, MC221.

EFFECTIVE DATE: Summer 2012

FROM: MC 221 – Advertising Strategy and Writing. (3) I, II, S. Writing for the various media to reach or achieve advertising objectives. Setting communication goals within the context of writing to persuade and inform mass audiences. Pr.: ~~Passing score on JMC composition skills test, 2.5GPA on completion of 12 or more credit hours and completion of MC110 & MC120.~~

TO: MC 221 – Advertising Strategy and Writing. (3) I, II, S. Writing for the various media to reach or achieve advertising objectives. Setting communication goals within the context of writing to persuade and inform mass audiences. Pr.: Completion of MC 110 & MC120 with grade of “C” or better.

RATIONALE: Change prerequisites as a result of change in admission to the major process.

EFFECTIVE DATE: Fall 2012

Mathematics

FROM: MATH 498 – ~~Senior Honors Thesis. (2) I, II, S. -Open only to seniors in the arts and sciences honors program.~~

TO: MATH 498 – Honors Project. (3) I, II, S. Open only to Arts and Sciences students who are active members of the University Honors Program.

RATIONALE: The title and description of the “course” (it will be independent study) is being standardized across all departments in the College of Arts and Sciences. In addition, the Honors Project credit is being increased from 2 to 3 credit hours to conform to the college’s Faculty Senate approved plan for A&S participation in the University Honors Program.

EFFECTIVE DATE: Fall 2012

Music

FROM: MUSIC 511 – Music in the Schools K-6. (3) II. The study of the musical characteristics of children and development of appropriate curriculum, instructional materials and techniques, and related technology for teaching musical understanding, literacy, multi-cultural connections, and creative improvisation in grades K-6 instrumental, vocal, and general music. This course includes supervised field experiences. ~~Pr.: Admission to teacher education and junior standing in music.~~

TO: MUSIC 511 – Music in the Schools K-6. (3) II. The study of the musical characteristics of children and development of appropriate curriculum, instructional materials and techniques, and related technology for teaching musical understanding, literacy, multi-cultural connections, and creative improvisation in grades K-6 instrumental, vocal, and general music. This course includes supervised field experiences. Pr.: Pre-Requisite of Co-Enrolled in EDCEP 315, EDSEC 376, EDSP 323.

RATIONALE: This change updates the prerequisites to reflect current practice so iSIS can control when students are allowed to enroll rather than solely depending on advising.

IMPACT: None

EFFECTIVE DATE: Spring 2013

FROM: MUSIC 512 – Music Program in Junior/Senior High Schools. (3) I. Organization and administration of the comprehensive music program in junior and senior high schools; including the study of vocal and instrumental ensemble development, as well as techniques, materials and appropriate instructional technologies. This course includes a supervised field experience. ~~Pr.: Admission to teacher education and junior standing in music.~~

TO: MUSIC 512 – Music Program in Junior/Senior High Schools. (3) I. Organization and administration of the comprehensive music program in junior and senior high schools; including the study of vocal and instrumental ensemble development, as well as techniques, materials and appropriate instructional technologies. This course includes a supervised field experience. Pr.: Pre-Requisite or Co-Enrolled in EDCEP 315, EDSEC 376, EDSP 323.

RATIONALE: This change updates the prerequisites to reflect current practice so iSIS can control when students are allowed to enroll rather than solely depending on advising.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: MUSIC 532 – Music History III: 1850 to the Present. (3) I, II. ~~An overview of the development of stylistic trends, major composers, and repertoire of the late Romantic period through the present. Pr.: Admission by audition.~~

TO: MUSIC 532 – Music History III: 1850 to the Present. (3) I. An overview of the development of stylistic and cultural trends, major composers, and repertoire of the late Romantic period through the present. Pr.: Grade of C or higher in Music 320.

RATIONALE: The revision of the course description is more appropriate.

EFFECTIVE DATE: Fall 2012

Sociology, Anthropology and Social Work

DROP: ANTH 507 – Folk Cultures. (3) I, or II. A comparative approach to agrarian societies; the investigation of economic, political, social, and ideological aspects of peasantry Pr.: Sophomore standing.

RATIONALE: This course was discontinued years ago (before 1998) because the faculty expertise was lost when the previous instructor retired. For some reason, this course has reappeared in the online catalog.

EFFECTIVE DATE: Spring 2012

DROP: ANTH 508 – Male and Female: Cross-Cultural Perspectives. (3) I, or II. Sex roles and male-female relationships in the world's cultures. Stresses sex-role complementarity within the anthropological framework of cultural relativism.

RATIONALE: Change in program emphasis due to retirement of faculty.

EFFECTIVE DATE: Spring 2012

DROP: ANTH 510 - Kinship and Marriage in Cross-Cultural Perspective. (3) II, Even years. Systems of family, marriage, descent, and sex tabus in cross-cultural perspective. Pr.: ANTH 200 or SOCIO 211.

RATIONALE: Change in program emphasis due to retirement of faculty.

EFFECTIVE DATE: Fall 2012

DROP: ANTH 511 – Cultural Ecology and Economy. (3) I, or II. Cultural ecology and organization in the world’s cultures. Discussion of environment and culture, exchange and display, money, trade and markets, and economic development and social change in selected societies. Pr.: Sophomore standing.

RATIONALE: Change in program emphasis due to retirement of faculty.

EFFECTIVE DATE: Spring 2012

DROP: ANTH 517 – African American Music and Culture. (3) I, Odd years. Continuity and tradition in the musical styles and cultural patterns of African Americans in the United States, the Caribbean, and South America. Music, art, religion, social organization, from African roots to modern forms.

RATIONALE: Change in program emphasis due to retirement of faculty.

EFFECTIVE DATE: Spring 2012

FROM: ~~ANTH 522 – Special Topics in Anthropology/World Systems and Globalization. (3) May Intersession. This course begins with a brief overview of the interconnections between different cultures throughout all of human history, ending with a detailed exploration of our present-day world system and ways anthropological theories can help us to understand and act responsibly in our world today. Students will develop their own “World Simulation” to apply their knowledge.~~

TO: ANTH 522 – Topics in Cultural Anthropology. (1-4) On sufficient demand. Intensive exploration of problems in cultural anthropology for both majors and non-majors with adequate background. Pr.: ANTH 200, 204, or 210. Repeat for Credit with change of topic.

RATIONALE: Due to an error in a previous year when ANTH 522 Topics in Cultural Anthropology was taught as an intersession course as 'World Systems and Globalization', the title of this course was permanently changed to the topic title for the intersession course. This request is to formally change it back to the general topics title and description it has always had. (For reference, see the Course and Curriculum White Sheets for April 1, 2004, page 6, when the course title for this class was specifically changed from Special Topics in Anthropology to Topics in Cultural Anthropology, which is the title that this course number has been used for as long as ANTH 522 has been in the catalog...in other words, for decades.)

EFFECTIVE DATE: Spring 2012

DROP: ANTH 526 – Law and Culture. (3) II. Law in cross-cultural perspective, including analysis of important law and culture issues in U.S. society. Pr.: ANTH 200, 204, or 210 or SOCIO 211 or consent of instructor.

RATIONALE: Change in program emphasis due to retirement of faculty.

EFFECTIVE DATE: Spring 2012

DROP: ANTH 536 – African American Cultures. (3) I, or II. Description and comparison of African-derived cultural patterns in the Americas, stressing culture contact and acculturation, retention and syncretism, social and economic organization, religion, language, the arts. Pr.: Sophomore standing.

RATIONALE: Change in program emphasis due to retirement of faculty.

EFFECTIVE DATE: Spring 2012

FROM: ~~ANTH 545 – Cultures of India and Pakistan. (3) On sufficient demand. Cultural survey of the contemporary tribes and Hindu caste communities in their historical and geographical context, followed by a more intense analysis of selected Indian and Pakistani village case studies stressing indigenous economic, social, political, and religious structures. Pr.: Sophomore standing.~~

TO: ANTH 545 – Cultures of South Asia. (3) On sufficient demand. Provides an interdisciplinary exploration of the disparate cultures and communities of the South Asian region. Examines thematic issues of colonization, religion, nationalism, modernity, sexuality, gender, globalization and social stratification in various South Asian contexts. Pr.: ANTH 200, 204 and 210.

RATIONALE: Previous instructor (now retired) focused on just India and Pakistan, but this is not an accurate description of the updated course. The proposed name change reflects the broader regional focus on the present instructor.

EFFECTIVE DATE: Fall 2012

Women's Studies

FROM: WOMST 410 - Feminist Thought. (3) I. Survey of a variety of feminist analyses of society, culture, and work, as well as visions for social change. The historical development of key feminist theories, contemporary debates, and multicultural and global feminism will be analyzed. Work for this course involves three reflection papers, a midterm, and a final paper with project presentation. Pr.: ~~Any Women's Studies course.~~

TO: WOMST 410 - Feminist Thought. (3) I. Survey of a variety of feminist analyses of society, culture, and work, as well as visions for social change. The historical development of key feminist theories, contemporary debates, and multicultural and global feminism will be analyzed. Pr.: WOMST 105 or 305.

RATIONALE: Pre-requisite change.

IMPACT: None

EFFECTIVE DATE: Fall 2012

EXPEDITED COURSE PROPOSALS

Courses Numbered 600-999

Chemistry

FROM: CHM 712 – Inorganic Chemistry II. (3) II. Structure, reactivity, and mechanistic aspects of main group and transition metal complexes. Organometallic reactions, catalysis, and bioinorganic chemistry. Pr.: CHM 550, ~~CHM 531~~, CHM 595, ~~CHM 598~~.

TO: CHM 712 - Inorganic Chemistry II. (3) II. Structure, reactivity, and mechanistic aspects of main group and transition metal complexes. Organometallic reactions, catalysis, and bioinorganic chemistry. Pr.: CHM 550, CHM 595.

RATIONALE: The prerequisites were reevaluated since one of them, CHM 598, is no longer offered. CHM 531 and CHM 598 were removed as prerequisites. There are no other changes.

EFFECTIVE DATE: Spring 2012

Geography

DROP: GEOG 650 – Geography of Former Soviet Lands. (3) II, Odd years. Physical limitations, resource potentials, economic capabilities, and political and nationality issues, with particular emphasis on agriculture, manufacturing, urbanization, cultural diversity, and regional development. Pr.: Six hours of social science.

RATIONALE: The course has not been taught for nearly 10 years, and we do not anticipate offering it in the future.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: ~~GEOG 702~~ – Computer Mapping and Geographic Visualization. (3) II. Basic cartographic principles, advanced methods for representing spatial data, approaches for exploratory spatial data analysis, and practical applications of thematic maps, animated and Internet-based maps, and geographic visualization techniques. Students will prepare a series of maps and visualization products using modern geographic information system and illustration software. Note:

The course will consist of two hours of lecture and two hours of lab a week. Pr.: GEOG 508.

TO: GEOG 602 – Computer Mapping and Geographic Visualization. (3) II. Basic cartographic principles, advanced methods for representing spatial data, approaches for exploratory spatial data analysis, and practical applications of thematic maps, animated and Internet-based maps, and geographic visualization techniques. Students will prepare a series of maps and visualization products using modern geographic information system and illustration software. Note: The course will consist of two hours of lecture and two hours of lab a week. Pr.: GEOG 508.

RATIONALE: Change in course number from 702 to 602 more accurately reflects the level at which the class is currently being taught.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: ~~GEOG 708~~ – Geographic Information Systems II. (3) I. Advanced principles of and applications for geographic information systems (GIS). Examines the nature and accuracy of geo=referenced data and methods of data capture, storage, retrieval, modeling, and digital map display. Students will use modern GIS software packages and digital geographical data from physical and/or cultural sources to explore software procedures and techniques of spatial analysis, decision support, and geographic visualization. Note: The course will consist of two hours of lecture and two hours of lab a week. Pr.: GEOG 302 and 508 (or consent of instructor).

TO: GEOG 608 – Geographic Information Systems II. (3) I. Advanced principles of and applications for geographic information systems (GIS). Examines the nature and accuracy of geo=referenced data and methods of data capture, storage, retrieval, modeling, and digital map display. Students will use modern GIS software packages and digital geographical data from physical and/or cultural sources to explore software procedures and techniques of spatial analysis, decision support, and geographic visualization. Note: The course will consist of two hours of lecture and two hours of lab a week. Pr.: GEOG 302 and 508 (or consent of instructor).

RATIONALE: The change in number from 708 to 608 more accurately reflects the level at which the course is currently being taught.

IMPACT: None.

EFFECTIVE Date: Fall 2012

DROP: GEOG 730 – World Agricultural Systems. (3) II, Odd years. Description and analysis of the spatial distribution of farm systems emphasizing traditional resource systems on the third world. The major objective is to analyze the interrelationships between natural and human elements in farm systems in order to gain an awareness and understanding of the complex issues involved in agricultural change and development. Pr.: Six hours of social science.

RATIONALE: The course has not been offered for at least 10 years, and we do not anticipate offering it in the future.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: GEOG 855 – ~~The Rural Cultural Geography of the United States.~~ (3) II, Even years. An examination of the development and distribution of the rural cultural landscapes, focusing particularly on elements of the material landscape. Emphasis placed upon research conducted in the Great Plains. Pr.: GEOG 500.

TO: GEOG 855 – Seminar in Cultural Geography. (3) II, Even years. An examination of the development and distribution of the rural cultural landscapes, focusing particularly on elements of the material landscape. Emphasis placed upon research conducted in the Great Plains. Pr.: GEOG 500.

RATIONALE: Dropping the “rural” from the title more accurately reflects the subject matter covered in the seminar.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: GEOG 865 – ~~Rural Medical Geography.~~ (3) II, odd years. Emphasizing the pattern of social and environmental conditions on health and disease, this course examines medical care systems and health issues in rural areas of both developed and developing countries. Pr.: STAT 702 or GEOG 700.

TO: GEOG 865 – Seminar in Medical Geography. (3) II, odd years. Emphasizing the pattern of social and environmental conditions on health and disease, this course

examines medical care systems and health issues in rural areas of both developed and developing countries. Pr.: STAT 702 or GEOG 700.

RATIONALE: Dropping the “rural” from the title more accurately reflects the subject matter covered in the seminar.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: GEOG 870 – Topics in ~~Cultural~~ Geography. (1-3) I, II, S. Pr.: Consent of instructor.

TO: GEOG 870 – Topics in Human Geography. (1-3) I, II, S. Pr.: Consent of instructor.

RATIONALE: Changing the course title from Cultural Geography to Human Geography allows a broader range of human geographers to supervise independent study hours under this course number and name.

IMPACT: None

EFFECTIVE DATE: Fall 2012

Mathematics

FROM: MATH 760 - ~~Probability Theory~~. (3) (on demand, usually every 3rd summer) An introduction to the mathematical theory of probability. Material covered includes combinatorial probability, random variables, independence, expectations, limit theorems. Markov chains, random walks, and martingales. Pr.: MATH 633 and STAT 510.

TO: MATH 760 – Introduction to Probability Theory. (3) (on demand, usually every 3rd summer) An introduction to the mathematical theory of probability. Material covered includes combinatorial probability, random variables, independence, expectations, limit theorems. Markov chains, random walks, and martingales. Pr.: MATH 633 and STAT 510.

RATIONALE: Better describes course content.

EFFECTIVE DATE: Fall 2013

Music

FROM: MUSIC 670 – Advanced Studies in Music Education. (2) I, II. Advanced instructional methods and technologies related to the teaching of music in grades preK-12 implemented through field experience. ~~Pr.: Admission to teacher education and junior standing in music.~~

TO: MUSIC 670 – Advanced Studies in Music Education. (2) I, II. Advanced instructional methods and technologies related to the teaching of music in grades pre-K-12 implemented through field experience. Pr.: EDCEP 315, EDSEC 376, EDSP 323, and prerequisite or co-enrolled in MUSIC 511, MUSIC 512.

RATIONALE: This change updates the prerequisites to reflect current practice so iSIS can control when students are allowed to enroll rather than solely depending on advising.

IMPACT: None

EFFECTIVE DATE: Fall 2012

Sociology, Anthropology and Social Work

DROP: ANTH 604 – Culture and Personality. (3) I, or II. Anthropological contributions to personality study; cross-cultural comparisons of personality types, means of personality formation in different cultures; cultural change and personality.

RATIONALE: Change in program emphasis due to retirement of faculty.

EFFECTIVE DATE: Spring 2012

FROM: ~~ANTH 676 – Old World Archaeology. (3) On sufficient demand. Study of the evolution of human culture in Africa, Europe, and Asia from its Paleolithic origins and Neolithic developments to the earliest civilizations. Artifacts, architecture, and archaeological sites are investigated to interpret changes in technology, economy, and culture. Pr.: ANTH 260.~~

TO: ANTH 676 – European Archaeology. (3) II, even years. Survey of human prehistory in Europe from the earliest Paleolithic hominins to evolve in Europe, expansion of *Homo sapiens* and associated cultural developments, the spread of agriculture, diversity of Bronze Age adaptations, to the development of Celtic

societies. Studies of archaeological and related evidence are investigated to interpret the dynamics of past ways of living. Pr.: ANTH 260.

RATIONALE: The change in the title of this course is to better reflect the specific material covered.

EFFECTIVE DATE: Spring 2012

DROP: ANTH 684 – Forensic Medicine and the Investigation of Death. (2-3) Intersession. Survey of the medical, biological, cultural and support areas of the investigation of death in various cultural settings. Emphasis on the interaction of culture and biology in the investigative process.

RATIONALE: This was an intersession course only. This change is due to retirement of the faculty who taught it and hiring of physical anthropologist with different area of expertise.

EFFECTIVE DATE: Spring 2012

Statistics

FROM: STAT 850 - ~~Stochastic Processes-I. (3) II. Generating functions; conditional probability and conditional expectations; normal processes and covariance stationary processes; Poisson processes; renewal processes; Markov chains; discrete time.~~ Pr.: STAT 770.

TO: STAT 850 - Stochastic Processes. (3) II, even years. Normal processes and covariance stationary processes; Poisson processes; renewal counting processes; Markov chains; Brownian motion; applications to science and engineering. Pr.: STAT 770

RATIONALE: With the discontinuance of STAT 851 (Stochastic Processes II), STAT 850 would be re-titled as simply Stochastic Processes. The change in course description reflects the incorporation of a nominal but relevant amount of material from STAT 851 into STAT 850, and updates regarding current practices. To accommodate proposed curriculum changes that incorporate relevant developments in the discipline, STAT 850 would be offered during spring term of even years, rather than every spring.

IMPACT: None

EFFECTIVE DATE: Fall 2012

DROP: STAT 851 – Stochastic Processes II. Markov Chains, discrete time; Markov Chains, continuing time; birth-death processes; Kolmogorov differential equations; diffusion processes, forward and backward Kolmogorov equations; applications.

RATIONALE: STAT 851 is an elective course with recent low enrollment. A nominal amount of material covered in this course will be incorporated in STAT 850 (Stochastic Processes I), for which a change request form is also being submitted. Discontinuing STAT 851 allows for curriculum changed that incorporate relevant developments in the discipline.

IMPACT: None

EFFECTIVE DATE: Fall 2012

DROP: STAT 901 – Rank and Robustness. A study of robust and rank-based procedures for estimation and testing in one- and two-sample location problems and linear models. Topics may include; norm-based inference; asymptotic theory; asymptotic relative efficiency; evaluating robustness via the influence function and breakdown; R-estimates, M-estimates, U-statistics.

RATIONALE: Discontinuing STAT 901 allows for curriculum changes that incorporate recent developments in the discipline. A nominal but relevant amount of material covered in this course will be incorporated in STAT 904, which would be a 3 credit hour course incorporating modern topics related to resampling techniques as well.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: ~~STAT 902 – Generalized Linear Models. (2) I, even years. Statistical models based on the exponential family of distributions where a function of the mean response is linear in the covariates. Applications to non-normal and discrete data, including binary, Poisson and gamma regression, and log-linear models. Topics include likelihood based estimation and testing, model fitting, residual analysis, over-dispersed models, quasi-likelihood, and the use of computer packages. Pr.: STAT 860.~~

TO: STAT 940 – Advanced Statistical Methods. (3)I, even years. Generalized linear models and generalized mixed models. Statistical models based on the exponential family of distributions. Applications to non-normal and discrete data, including binary, Poisson and gamma regression, and log-linear models. Topics

include likelihood-based estimation and testing, model-fitting, residual analyses, over-dispersed models, quasi-likelihood, large sample properties, and the use of computer packages. Also, methods for longitudinal repeated measures data that will include inference for continuous and discrete data. Inferential objectives include prediction of response and estimation of correlation/covariance structures. Nonparametric and semiparametric methods covered as time permits. Pr.: STAT 861, plus one introductory course in statistical computing (e.g. STAT 725 or 726 or equivalent background).

RATIONALE: Additional credit hour requested to accommodate the addition of relevant material from STAT 903 (Spatial and Longitudinal DATA), which is being changed to focus only on Spatial Data, along with additional coverage of recent advances in mixed model analyses. Prerequisite change reflects the appropriate background necessary for understanding revised course coverage.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: ~~STAT 903 – Spatial and Longitudinal Data. (2) II, odd years. Spatial analysis of spatially and temporally correlated data, including inference for continuous and discrete data based on linear, nonlinear and generalized linear models and methods. Inferential objectives include prediction of response and estimation of correlation/covariance structures. Pr.: STAT 861.~~

TO: STAT 903 – Statistical Methods for Spatial Data. (3) II, odd years. Statistical models and methods for analyzing data that are collected at different spatial locations, and perhaps at different times. Spatial prediction and Kriging for continuous spatial data, along with variogram models and estimation for spatial correlation. Spectral analysis for spatial data. Spatial models for lattice data and inference for lattice models. Models and model fitting for spatial point patterns. Classical approaches as well as newly developed methodological and computational research in spatial statistics will be covered with computer-aided applications. Pr.: STAT 771, plus one introductory course in statistical computing (e.g. STAT 726 or equivalent background).

RATIONALE: STAT 903 would be re-titled to reflect an emphasis only on spatial data. An additional credit hour is requested to accommodate the desired breadth of material for the important area of correlated data analysis. Relevant material from current STAT 903 covering longitudinal data would be incorporated into the proposed changes to STAT 902. Prerequisite changes reflect the appropriate background necessary for understanding revised course coverage.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: ~~STAT 904 – Resampling Methods. (2) II, even years. Application, theory, and computational aspects of resampling methods. Topics include parametric, nonparametric, jackknife, and finite population resampling; bootstrap confidence intervals and hypothesis tests; randomization theory and permutation tests; applications to regression; implementation using statistical software. Additional topics may include double bootstrap, dependent data, efficient resampling. Pr.: STAT 860.~~

TO: STAT 904 – Resampling Methods. (3) II, even years. Application, theory, and computational aspects of resampling methods. Topics include parametric and nonparametric bootstrap methods, the jackknife, and randomization/permutation methods; techniques for estimation, bias correction, confidence intervals, and hypothesis testing; applications to linear and nonlinear models; different test statistics for randomization inferences such as mean differences, rank based statistics, t-statistics, and moderated t-statistics for high-dimensional settings; implementation of methods using statistical software; simulation designs for comparing methods. Pr.: STAT 713, 771.

RATIONALE: Additional credit hour requested to accommodate the addition of relevant material from STAT 901 (Rank and Robustness), which is being discontinued, along with modern topics related to resampling techniques. Prerequisite change reflects the appropriate background necessary understanding revised course coverage.

IMPACT: None

EFFECTIVE DATE: Fall 2012

FROM: ~~STAT 981 – Advanced Inference. (3) II. Foundations and methods of statistical inference including invariance, likelihood and Bayesian inference, decision theory, estimating equations and prediction. Additional topics may include E-M algorithm, Hastings-Metropolis algorithm, exponential families, order restricted inference, density estimation, sequential methods, other likelihoods, large sample and conditional inference. Pr.: STAT 980.~~

TO: STAT 941 – Advanced Statistical Inference. (3) II, even years. Foundations and methods of modern statistical inference including asymptotic theory in parametric models (including local asymptotic normality and contiguity), efficiency of estimators and tests, Bayes procedures, rank, sign and permutation statistics, U-, M-, L-, R-estimates, chi-square tests, empirical processes and the functional delta method, quantiles and order statistics, inference for nonparametric and semi-parametric models. Pr.: STAT 843.

RATIONALE: The material covered in the current STAT 981 is being divided into two parts, with additional modern topics in statistical inference incorporated into each part. In particular, certain material will go into a proposed STAT 843, reflecting the desirability for Statistics PhD student to encounter parts of STAT 981 at an earlier point in the curriculum, suitable for an 800 level offering. Remaining parts of STAT 981 will be re-titled and numbered as STAT 941, reflecting the desirability for Statistics PhD students to continue to encounter parts of STAT 981 at an advanced point in the curriculum, suitable for a 900 level offering. Prerequisites reflect the changes to accommodate this curriculum change.

IMPACT: None

EFFECTIVE DATE: Fall 2012

CURRICULUM CHANGES

Undergraduate (Expedited)

Journalism and Mass Communication

B.A./B.S.

FROM:

TO:

Transfer course work	Transfer course work
<p>Students may transfer a maximum of 12 semester credit hours in the major. Courses in journalism and mass communications above the 12-hour maximum will not be accepted as electives outside the major and will not be accepted as part of the graduation requirement. No journalism and mass communications course will transfer to K-State without a grade of C or better.</p> <p>When transfer students present an accumulation of credits in courses that consist of laboratory work, the school may accept a maximum of 3 credit hours for all such work, equivalent to courses such as Media Practicum.</p> <p>No transfer credit will be given for Editing and Design, Advanced News and Feature Writing, or Law of Mass Communications unless such work was taken at a college or university accredited by the Accrediting Council on Education in Journalism and Mass Communications.</p>	<p>Students may transfer a maximum of 12 semester credit hours in the major. Courses in journalism and mass communications above the 12-hour maximum will not be accepted as electives outside the major and will not be accepted as part of the graduation requirement. No journalism and mass communications course will transfer to K-State without a grade of C or better.</p> <p>When transfer students present an accumulation of credits in courses that consist of laboratory work, the school may accept a maximum of 3 credit hours for all such work, equivalent to courses such as Media Practicum.</p>

RATIONALE: Eliminate catalog language concerning an accreditation standard that no longer exists.

IMPACT: No other unit is impacted by this change.

EFFECTIVE DATE: Summer 2012

Journalism and Mass Communications

Minor

FROM:

TO:

Electives (9 credit hours)	Electives (9 credit hours)
<p>For specialization in the field, students taking the minor must take three classes totaling nine credit hours above <u>the 100-Level</u>, one of which must have a prerequisite in Journalism and Mass Communications. One class must be at the 400-level or higher.</p>	<p>For specialization in the field, students taking the minor must take three classes totaling nine credit hours <u>at the 200-level or higher</u>, one of which must have a prerequisite in Journalism and Mass Communications. One class must be at the 400-level or higher.</p>

RATIONALE: Reword of University Catalog description of JMC Minor in order to make it clearer to understand that no 100-level course will count in the nine hours for the specialization.

IMPACT: No other unit is impacted by this change.

EFFECTIVE DATE: Spring 2012

Natural Resources and Environmental Sciences Secondary Major

FROM:

TO:

Natural science courses	Natural science courses
<ul style="list-style-type: none"> • AGRON 305 - Soils Credits: (4) • AGRON 515 - Soil Genesis and Classification Credits: (3) • BIOL 433 - Wildlife and Fisheries Conservation Credits: (3) • BIOL 529 - Fundamentals of Ecology Credits: (3) • BIOL 612 - Freshwater Ecology Credits: (4) • BIOL 642 - Principles of Conservation Biology Credits: (3) • BIOL 687 - Microbial Ecology Credits: (3) • CHM 315 - Environmental Science: A Chemistry Perspective Credits: (3) • ENTOM 301 - Insects and People Credits: (3) • ENTOM 312 - General Entomology Credits: (2) • ENTOM 313 - General Entomology Laboratory Credits: (1) 	<ul style="list-style-type: none"> • AGRON 305 - Soils Credits: (4) • AGRON 515 - Soil Genesis and Classification Credits: (3) • BIOL 433 - Wildlife and Fisheries Conservation Credits: (3) • BIOL 529 - Fundamentals of Ecology Credits: (3) • BIOL 612 - Freshwater Ecology Credits: (4) • BIOL 642 - Principles of Conservation Biology Credits: (3) • BIOL 687 - Microbial Ecology Credits: (3) • CHM 315 - Environmental Science: A Chemistry Perspective Credits: (3) • ENTOM 301 - Insects and People Credits: (3) • ENTOM 312 - General Entomology Credits: (2) • ENTOM 313 - General Entomology Laboratory Credits: (1)

<ul style="list-style-type: none"> • ENTOM 680 - Aquatic Entomology Credits: (3) • ENTOM 692 - Insect Ecology Credits: (3) • GEOG 321 - Environmental Geography II Credits: (4) • GEOG 535 - Fundamentals of Climatology Credits: (3) • GEOL 305 - Earth Resources Credits: (3) • GEOL 399 - Honors Seminar in Geology Credits: (1-3) • GEOL 506 - Environmental Studies Credits: (2) • GEOL 515 - Geology of the National Parks Credits: (3) • GEOL 520 - Geomorphology Credits: (3) • GEOL 540 - Ice Ages and Environmental Change Credits: (3) • GEOL 611 - Hydrogeology Credits: (3) • GEOL 711 - Water Resources Geochemistry Credits: (3) 	<ul style="list-style-type: none"> • ENTOM 680 - Aquatic Entomology Credits: (3) • ENTOM 692 - Insect Ecology Credits: (3) • GEOG 321 - Environmental Geography II Credits: (4) • GEOG 535 - Fundamentals of Climatology Credits: (3) • GEOG 740 - Fluvial Geomorphology Credits: (3) • GEOL 305 - Earth Resources Credits: (3) • GEOL 399 - Honors Seminar in Geology Credits: (1-3) • GEOL 506 - Environmental Studies Credits: (2) • GEOL 515 - Geology of the National Parks Credits: (3) • GEOL 520 - Geomorphology Credits: (3) • GEOL 540 - Ice Ages and Environmental Change Credits: (3) • GEOL 611 - Hydrogeology Credits: (3) • GEOL 711 - Water Resources Geochemistry Credits: (3)
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RATIONALE: The NRES Board of Directors voted on 7 December 2011 to add GEOG 740 to the NRES curriculum as a Natural Science Block Elective class. The course was found to have at least 50% of its content related to natural resources or environmental science.

IMPACT: None

EFFECTIVE DATE: Fall 2012

CURRICULUM CHANGES

Graduate (Expedited)

Kinesiology

MASTER'S IN KINESIOLOGY

FROM:

TO:

Thesis Option Requirements	Thesis Option Requirements
<p>• KIN 796 – Topics in Exercise Physiology Credits: (1-4)</p> <p>Research Core</p> <ul style="list-style-type: none"> • KIN 815 – Research Methods in Kinesiology Credits: (3) • STAT 702 – Statistical Methods for Social Sciences Credits: (3) • OR • STAT 703 – Statistical Methods for Natural Scientists Credits: (3) <p>Kinesiology Core</p> <ul style="list-style-type: none"> • KIN 800 – Advanced Physiology of Exercise Credits: (3) • KIN 830 – Advanced Public Health Physical Activity Credits: (3) <p>Support Work</p> <p>Complete a total of <u>9</u> hours from Kinesiology courses 600 and above; and approved courses outside the department.</p> <p>Thesis</p> <p>6 hours required.</p> <p>Coursework Option</p> <p>• KIN 796 – Topics in Exercise Physiology Credits: (3)</p> <p>Research Core</p>	<p>Research Core</p> <ul style="list-style-type: none"> • KIN 815 – Research Methods in Kinesiology Credits: (3) • STAT 702 – Statistical Methods for Social Sciences Credits: (3) • OR • STAT 703 – Statistical Methods for Natural Scientists Credits: (3) <p>Kinesiology Core</p> <ul style="list-style-type: none"> • KIN 800 – Advanced Physiology of Exercise Credits: (3) • KIN 830 – Advanced Public Health Physical Activity Credits: (3) <p>Support Work</p> <p>Complete a total of <u>12</u> hours from Kinesiology courses 600 and above; and approved courses outside the department.</p> <p>Thesis</p> <p>6 hours required.</p> <p>Coursework Option</p> <p>Research Core</p> <ul style="list-style-type: none"> • KIN 815 – Research Methods in Kinesiology Credits: (3) • STAT 702 – Statistical Methods for Social

<ul style="list-style-type: none"> • KIN 815 – Research Methods in Kinesiology Credits: (3) • STAT 702 – Statistical Methods for Social Sciences Credits: (3) • OR • STAT 703 – Statistical Methods for Natural Scientists Credits: (3) <p>Kinesiology Core</p> <ul style="list-style-type: none"> • KIN 800 – Advanced Physiology of Exercise Credits: (3) • KIN 830 – Advanced Public Health Physical Activity Credits: (3) <p>Support Work</p> <p>Complete a total of <u>24</u> hours from Kinesiology courses 600 and above; and approved courses outside the department.</p>	<p>Sciences Credits: (3)</p> <ul style="list-style-type: none"> • OR • STAT 703 – Statistical Methods for Natural Scientists Credits: (3) <p>Kinesiology Core</p> <ul style="list-style-type: none"> • KIN 800 – Advanced Physiology of Exercise Credits: (3) • KIN 830 – Advanced Public Health Physical Activity Credits: (3) <p>Support Work</p> <p>Complete a total of <u>24</u> hours from Kinesiology courses 600 and above; and approved courses outside the department.</p>
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RATIONALE: KIN 796 Topics in Exercise Physiology was intended to be an introduction to the Master’s program in Kinesiology for students who did not get their bachelor’s degree at KSU. This specific section of this course has not been taught for several years. This deletion of this course from the required curriculum reflects current practice.

IMPACT: None

EFFECTIVE DATE: Fall 2012

Music

MASTER OF MUSIC

FROM:

The Department of Music offers the master of music with specialization in the following areas: music education, music history/literature, ~~performance with pedagogy~~ emphasis, and ~~theory~~-composition.

TO:

The Department of Music offers the master of music with specialization in the following areas: music education, performance, music history/literature, keyboard pedagogy emphasis, and composition.

RATIONALE: In order to satisfy our accreditation, which occurs Spring 2012, we need to change the title for two specializations in the Master of Music. ‘Performance with Pedagogy’ must be ‘Keyboard Pedagogy’ and ‘Theory-Composition’ must be

‘Composition’. This change is to occur whenever the specializations are titled throughout our online curriculum.

IMPACT: Graduate School

EFFECTIVE DATE: Spring 2012