Graduate Curriculum Committee Report
Law Library, 4th Floor, Rare Books Room
Thursday, January 17, 2013

Members present: Sibyl Marshall (Chair), Brian Ambroziak, David Bemis, Ernest Bernard, Eric Boder, Becky Bolen (for Marlys Staudt), Daniel Feller, Leslee Fisher, Rebecca Prosser, Amanda Sanford (proxy for Alexandra Brewer, Graduate Student Senate), Anne Smith (for Robert Fuller and Christian Vossler), Dixie Thompson (for Jeannine Studer), Candace White.

Representatives from Colleges: Stan Bowie, R.J. Hinde, Catherine Luther, Masood Parang, Carol Parker, John Stier, Scott Wall

Also in attendance: Ralph Brockett, Carolyn Hodges, Kay Reed, Catherine Cox, Cheryl Norris, Mary Albrecht (SACS representative).

The meeting was called to order by Sibyl Marshall, Chair, at 2:00p.m.

The following colleges submitted curriculum proposals:

College of Agricultural Sciences and Natural Resources
Course changes: added 11, dropped 13, revised 8.
Program changes:
Add Minor: Entomology
Add Minor: Plant Pathology

College of Architecture and Design
Course changes: added 7, dropped 0, revised 2.
Program changes *(pending THEC approval)*
Add major, degree and concentrations: Architecture major, Master of Science in Architecture degree
Conservation and Stewardship concentration
High Performance Buildings concentration
Sustainable Design concentration
Urban Design concentration

College of Arts and Sciences
Course changes: added 25, dropped 8, revised 15.
Program changes:
School of Art
Drop concentrations: Art major, (MFA)
Drawing, Graphic Design, Media Arts, and Painting

Add concentrations: Art major, (MFA)
Painting/Drawing concentration
Transmedia Design concentration

Department of English
Add Major and Degree: Creative Writing Major, Master of Fine Arts degree – *Pending THEC approval*

Interdisciplinary Programs
Add certificate: Social Theory

Department of Political Science
Add certificate: Global Security Studies

Add Five-Year BA-MPPA – Public Policy and Administration Major

College of Business Administration

Course changes: added 20, dropped 40, revised 4.

Dropped academic disciplines: Human Resource Development (HRD) and Logistics (LOG)

Added academic discipline: Supply Chain Management (SCM)

Program changes:

Interdepartmental

Drop major and degree: Industrial and Organizational Psychology major, PhD

Department of Management

Drop concentration: Human Resource Development (Business Administration major, PhD)

Department of Marketing and Supply Chain Management

Drop concentration: Logistics for (Business Administration major, PhD)

Add concentration: Supply Chain Management for (Business Administration major, PhD)

College of Communication and Information

Course changes: added 15, dropped 6, revised 13.

Program changes: Revised descriptions and requirements (Information Sciences major, MS)

College of Education, Health, and Human Sciences

Course changes: added 5, dropped 6, revised 17.

Program changes:

Department of Educational Psychology and Counseling

Drop concentration: Mental Health Counseling (Counseling major, MS)

Add concentration: Clinical Mental Health Counseling (Counseling major, MS)

Add certificate: Online Teaching and Learning

Department of Public Health

Drop concentration: Health planning/administration (Public Health major, MPH)

Add concentration: Health Policy and Management (Public Health major, MPH)

Add Dual JD-MPH program: Public Health major, (Health Policy and Management concentration)

College of Engineering

Department name change: Department of Industrial and Information Engineering changed to: Department of Industrial and Systems Engineering

Course changes: added 22, dropped 1, revised 12.

Program changes:

Interdepartmental

Drop concentrations (Engineering Science major, MS and PhD)

Applied Mechanics
Systems and Controls
Thermal Fluid Mechanics

Add concentrations (Engineering Science major, MS)

Aerospace Engineering
Biomedical Engineering
Civil Engineering
Environmental Engineering
Mechanical Engineering

Add concentrations (Engineering Science major, PhD)
Aerospace Engineering
Biomedical Engineering
Civil Engineering
Environmental Engineering
Mechanical Engineering

Department of Electrical Engineering and Computer Science
Add certificate: Power and Energy Systems

Department of Materials Science and Engineering
Add concentration: Biomaterials (Materials Science and Engineering major, PhD)

College of Law
Course changes: added 1, dropped 0, revised 2.
Program changes:
Add Dual JD-MPH program: Juris Doctor and Master of Public Health (Public Health major, Health Policy and Management concentration)

College of Nursing
Course changes: added 8, dropped 0, revised 6.
Program changes:
Add concentration: Family Nurse Practitioner (Nursing major, DNP)

Drop concentration: Adult Health Nursing (Nursing major, MSN)
Add concentration: Adult Health Nursing Clinical Nurse Specialist (Nursing major, MSN)

Drop certificate: Adult Health Nursing
Add certificate: Adult Health Nursing Clinical Nurse Specialist

College of Social Work
Course changes: None.
Program changes:
Add certificate: Trauma Treatment

Totals: Course adds = 114, course drops = 74, and course revisions 79. Total course changes = 267.

The problem areas and concerns raised at the informational meeting were also addressed at the Curriculum meeting. The major issues of concern were addressed and satisfied. One College rewrote their proposal for a new program to satisfy the questions raised. The Curriculum Committee approved the above proposals and is presented for recommendation to the Graduate Council. The meeting was adjourned at 3:25p.m.

The next meeting is March 21, 2013.

COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES

All changes effective Fall 2013

I. COURSE CHANGES

DEPARTMENT OF AGRICULTURAL LEADERSHIP, EDUCATION AND COMMUNICATIONS

(ALEC) AGRICULTURAL LEADERSHIP, EDUCATION AND COMMUNICATIONS

ADD

ALEC 529 Research Proposal Development (3) Develop a current research or creative component topic area. Research and write the first three chapters of the thesis or dissertation by closely examining each component of the proposal and then carrying out the writing and construction of the proposal.

ALEC 531 Developing and Leading a Volunteer Program in Agricultural Education, Extension and Community Nonprofits (3) Recruitment, selection, training, retention and supervision of volunteers. Will explore the praxis between volunteer leadership theories and the practical application of those behaviors to effectively develop and lead a volunteer program in the contexts of agricultural education, Extension and community nonprofits.

ALEC 533 Teaching and Learning Theory: Applications in Agricultural Disciplines (3) Introduction to theories of teaching and learning and related research. Explores the neuroscience of learning, behaviorism, social cognitive theory, information processing theory, constructivism, cognitive learning processes, experiential learning, motivation, self-regulation, and developmental theories. Additionally, explores the applications of teaching and learning theory in the context of teaching agricultural subject matter.

DEPARTMENT OF ANIMAL SCIENCE

(ANSC) ANIMAL SCIENCE

DROP PRIMARY COURSE AND CROSS-LISTING

ANSC 623 Advanced Topics in Obesity (1-4)
Cross-listed: (Same as Kinesiology 623.)

DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCE

(BSE) Biosystems Engineering

DROP PRIMARY CROSS-LISTED COURSE

BSE 532 On-Site Domestic Wastewater Treatment, Dispersal, and Reuse (3)
Cross-listed: (Same as Biosystems Engineering Technology 532.)

DROP 400-LEVEL COURSE FOR GRADUATE CREDIT (RETAINING COURSE IN THE UNDEGRADUATE CATALOG)

BSE 416 Environmental Hydrology (3)

ADD

BSE 516 Environmental Hydrology (3) Introduction to hydrology and associated environmental implications including: the hydrologic cycle, evapotranspiration, runoff, erosion, unit hydrograph operations, routing, open channel flow, groundwater, infiltration, and urban stormwater.
Credit Restriction: Students cannot receive credit for both 416 and 516.
Registration Restriction(s): Minimum student level – graduate.

Rationale: Will be taught in conjunction with 416, but with additional assignments. Impact on other units: None. Financial impact: none.

Equivalency Table

Current Course Biosystems Engineering (BSE)	Equivalent Course Effective Fall 2013 Biosystems Engineering (BSE)
416	516

REVISE TO DROP (RE)PREREQUISITE AND ADD RECOMMENDED BACKGROUND

BSE 543 Instrumentation and Measurement (3)
Recommended Background: DC/AC Circuit Analysis in Electrical Engineering or Physics.

REVISE PRIMARY COURSE TO REMOVE SECONDARY CROSS-LISTING AND REVISE DESCRIPTION

BSE 555 GIS and GPS Applications to Biosystems (3) Theory and applications of Geographical Information Systems (GIS) and Global Positioning Systems (GPS); acquiring, managing, and analyzing spatially-varying data. Site-specific resource management, watershed analysis, environmental site assessment, natural resource management.

Formerly: Cross-listed: (Same as Biosystems Engineering Technology *555*.)

(BSET) Biosystems Engineering Technology

DROP SECONDARY CROSS-LISTED COURSES

(BSET) 532 On-Site Domestic Wastewater Treatment, Dispersal, and Reuse (3)
Cross-listed: (See Biosystems Engineering 532.)

BSET 555 GIS and GPS Applications to Biosystems (3)
Cross-listed: (See Biosystems Engineering 555.)

(ESS) ENVIRONMENTAL AND SOIL SCIENCES

ADD

ESS 524 Environmental Stormwater Management (3) Investigation of sustainability issues regarding control of the hydrologic cycle, with special emphases on hydrologic estimation, hydraulic design, and best management practices for control of stormwater and associated erosion and water quality issues.
Credit Restriction: Students cannot receive credit for both 424 and 524.
Registration restriction(s): Minimum student level – graduate.

DEPARTMENT OF ENTOMOLOGY AND PLANT PATHOLOGY

(EPP) ENTOMOLOGY AND PLANT PATHOLOGY

DROP 400-LEVEL COURSE FOR GRADUATE CREDIT (ALSO DROPPING FROM UG CATALOG)

EPP 491 Measuring Genetic Variation (3)

DROP

EPP 513 Fungal Epidemiology and Disease Control (2)

EPP 527 Basic Analytical Tools (3)

EPP 612 Soilborne Plant Pathogens (3)

EPP 613 Fungal Epidemiology and Disease Control (2)

ADD

EPP 675 Scientific Writing and Grantsmanship: From Concept to Publication (3) Preparation of scientific evidence for the thesis or dissertation in scientific journals, parts of the scientific paper, graphical and tabular presentation of data, sources of funding to support research, writing research grants, the editorial process, elements of style, and ethics.

REVISE TO DROP REGISTRATION RESTRICTION

EPP 512 Soilborne Plant Pathogens (3)

REVISE TO DROP COMMENTS

EPP 515 Physiology of Plant Disease (3)

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

(FDST) FOOD SCIENCE AND TECHNOLOGY

DROP 400-LEVEL COURSE FOR GRADUATE CREDIT (RETAINING COURSE IN UG CATALOG)

FDST 415 Food Analysis

Rationale: Food Analysis is offered as undergraduate (415) and graduate (516) level course. Dropping 415 for graduate credit will emphasize its undergraduate level, while FDST 516 will stay as is – graduate level.

DROP

FDST 515 Advanced Food Chemistry

Rationale: Course was taught by 3 instructors. Significant portion of the material will be taught in two new courses 514 and 530.

ADD

FDST 514 Food Colloids (3) Presents fundamental colloidal theories in the context of food systems. Topics include interactions between colloidal particles, stability of colloidal dispersions, and interfacial phenomena.
Recommended background: food chemistry, physical chemistry, college-level physics.
Registration restriction(s): Seniors and graduate students.

FDST 530 Food Biochemistry (3) Applied biochemistry to plant- and animal-based food. Biochemical reactions in edible tissues pre- and post-harvest.
Recommended background: Organic chemistry and food chemistry.
Registration restriction(s): Seniors and graduate students.

DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES

(FWF) Forestry, Wildlife and Fisheries

ADD

FWF 515 Upland Habitat Management (2) Detailed examination of the wildlife and habitat effects of applied land management practices such as prescribed fire, silvicultural techniques, mechanical and chemical treatments, and food plots. Includes a discussion of forest, early successional vegetation, and agricultural land management.
Credit Restriction: Cannot receive credit for both 415 and 515.

DEPARTMENT OF PLANT SCIENCES

(PLSC) Plant Sciences

DROP 400-LEVEL COURSE FROM GRADUATE CATALOG

PLSC 465 Biofuel Crop Ecology (3)

ADD

PLSC 553 Introduction to Plant Breeding (3) Introduction to general principles, practices and techniques used to breed plants, select traits, and develop crop cultivars: including biomass feedstock crops. Concepts discussed will range from quantitative and population genetics, historical through conventional plant breeding (through self- and cross-pollinations) and hybridization, then end with exploration of contemporary approaches to improve plant traits including genetic engineering.
Credit Restriction. Students may not receive credit for both 453 and 553.

PLSC 669 Teaching Practicum (1-3) Supervised experience in teaching. May involve preparation of lectures and teaching aids, preparation and supervision of laboratory exercises, evaluation of student performance, and responsibility for course delivery. May also involve new course development whether traditional classroom or online.
Repeatability: May be repeated. Maximum 3 hours.
Credit Restriction: Students may not receive credit for both 569 and 669 within the same plan of work for each advanced degree sought.
Comment(s): For doctoral students only.
Registration Restriction(s): Minimum student level – graduate.

REVISE TITLE

PLSC 552 Plant Biotechnology and Genetics (3)

PLSC 653 Advanced Plant Breeding (3)

REVISE DESCRIPTION

PLSC 515 Agroecology (3) Application of ecological concepts to management of horticultural, agronomic and biofuel cropping systems. Examination of plant physiological ecology, population ecology, community ecology, and ecosystem ecology within the context of agroecosystems; discussion of current research in agroecology; assessment of sustainability of cropping systems from environmental, economic, and social perspectives.

REVISE RECOMMENDED BACKGROUND

PLSC 634 Advanced Weed Science Principles (3)
Recommended Background: PLSC 457 or equivalent, an advanced level plant physiology course, and an organic chemistry or biochemistry course, or consent of instructor.

II. PROGRAM CHANGES

DEPARTMENT OF ANIMAL SCIENCE

REVISE DEPARTMENT INTRODUCTORY TEXT FOR ADMISSION, ACADEMIC PROBATION, AND DISMISSAL REQUIREMENTS

In the 2013-2014 *Graduate Catalog*, under admission heading, delete first paragraph and replace with the following:

To be considered for admission, students must have at least a 3.0 grade point average (GPA) on a 4.0 scale in a completed undergraduate degree program in Animal Science or related field, or at least a 3.0 GPA each term during the junior and senior years. Prerequisite courses with a grade of B or higher may be required if the applicant has insufficient background or less than required GPA.

In the 2013-2014 *Graduate Catalog*, under academic probation heading, at the end of the first sentence insert a comma after 600 and add the following text: …600, or when withdrawing from courses without prior approval of the graduate advisory committee. Probationary status, due to withdrawing from a class without prior approval from the graduate advisory committee, will be removed at the end of a semester where the graduate advisory committee finds satisfactory progress toward degree completion. If deemed unsatisfactory the student will be dismissed.

In the 2013-2014 *Graduate Catalog*, under dismissal heading, after 600 add the following text: "or withdrawal from courses without prior approval of the graduate advisory committee"

DEPARTMENT OF BIOSYSTEMS ENGINEERING AND SOIL SCIENCE

REVISE REQUIREMENTS, BIOSYSTEMS ENGINEERING MAJOR, MS (THESIS AND NON-THESIS OPTIONS)

In the 2013-14 *Graduate Catalog*, insert a footnote after "other major subject course work", with the footnote text as the following (note this revision will require renumbering of existing footnotes):
Includes all BSET and BSE graduate courses.

REVISE REQUIREMENTS, BIOSYSTEMS ENGINEERING TECHNOLOGY MAJOR, MS (THESIS AND NON-THESIS OPTIONS)

In the 2013-14 *Graduate Catalog*, insert a footnote after "other major subject course work", with the footnote text as the following (note: will require renumbering of existing footnotes):
Includes all BSET and BSE graduate courses

DEPARTMENT OF ENTOMOLOGY AND PLANT PATHOLOGY

▲ ADD GRADUATE MINOR IN ENTOMOLOGY

In the 2013-14 *Graduate Catalog*, add heading and requirements for the minor.

Entomology Minor
The Entomology minor requires 9 hours of entomology-oriented 500-level coursework or above in the department (excluding EPP 500, EPP 541, EPP 600, EPP 603, EPP 640 and EPP 675). The student's graduate committee must include a member of the faculty from the Entomology and Plant Pathology department who will advise the student on courses required for the minor.

▲ ADD GRADUATE MINOR IN PLANT PATHOLOGY

In the 2013-14 *Graduate Catalog*, add heading and requirements for the minor.

Plant Pathology Minor
The Plant Pathology minor requires 9 hours of plant pathology-oriented 500-level coursework or above in the department (excluding EPP 500, EPP 541, EPP 600, EPP 603, EPP 640, and EPP 675). The student's graduate committee must include a member of the faculty from the Entomology and Plant Pathology department who will advise the student on courses required for the minor.

REVISE ENTOMOLOGY AND PLANT PATHOLOGY MAJOR, MS, ADMISSION REQUIREMENTS

In the 2013-14 *Graduate Catalog*, under Admissions heading, delete first sentence and replace with the following:

For admission to the Master of Science program, a student must meet all requirements of the University of Tennessee, Knoxville, Graduate Council and must have completed at least 24 hours of biological and physical sciences at the undergraduate level.

COLLEGE OF ARCHITECTURE AND DESIGN

All changes effective Fall 2013

I. COURSE CHANGES

SCHOOL OF ARCHITECTURE

(ARCH) Architecture

ADD

522 Special Topics in Urban Design (1-6) Faculty initiated professional elective involving history and theory of urban form, urban developments, the study of landscape and urbanism, and related issues.
Repeatability: May be repeated. Maximum 12 hours.
Registration Restriction(s): Architecture major or consent of instructor.

523 Special Topics in Interior Design (1-6) Faculty initiated professional elective involving interior design, history and theory of interior design, furniture design, lighting design, acoustical design, and related issues.
Repeatability: May be repeated. Maximum 12 hours.
Registration Restriction(s): Architecture major or consent of instructor.

524 Special Topics in Landscape Architecture (1-6) Faculty initiated professional elective involving landscape architecture, history and theory of landscape architecture, ecology, and related issues.
Repeatability: May be repeated. Maximum 12 hours.
Registration Restriction(s): Architecture major or consent of instructor.

550 Special Topics in History, Theory and Criticism (1-6) Faculty initiated professional elective involving architectural history, theory, and criticism.
Repeatability: May be repeated. Maximum 12 hours.
Registration Restriction(s): Architecture major or consent of instructor.

552 Special Topics in Sustainable Design (1-6) Faculty initiated professional elective involving sustainability and progressive environmental design.
Repeatability: May be repeated. Maximum 12 hours.
Registration Restriction(s): Architecture major or consent of instructor.

554 Special Topics in Materials and Construction (1-6) Faculty initiated professional elective that explores materials and construction, the physical development of large-scale, component, or installation construction.
Repeatability: May be repeated. Maximum 12 hours.
Registration Restriction(s): Architecture major or consent of instructor.

555 Special Topics in Digital Fabrication (1-6) Faculty initiated professional elective involving fabrication and technology in design.
Repeatability: May be repeated. Maximum 12 hours.
Registration Restriction(s): Architecture major or consent of instructor.

Rationale: One of several new Special Topics courses that more clearly distinguishes course content. Goal is to alleviate pressure on ARCH 525 Special Topics in Architecture (repository of most professional electives) and to address current repeatability problems. Student transcripts will become more reflective of the course content. Impact on Other Academic Units: None. Financial Impact: None.

REVISE HOURS, DESCRIPTION, REPEATABILITY AND ADD REGISTRATION RESTRICTION

525 Special Topics in Architecture (1-6) Faculty initiated professional elective in architecture and applied architectural theory.
Repeatability: May be repeated. Maximum 12 hours.
Registration Restriction(s): Architecture major or consent of instructor.

REVISE GRADING: FROM LETTER GRADE TO S/NC

ARCH 599 Design VII: Diploma Thematic Studio (6)
Grading Restriction: Satisfactory/No Credit grading only.

Formerly: Letter grade only.

Rationale: Course 599 is used for the non-thesis option. We want to parallel the grading for students registering for 599 with the thesis students who enroll in course 500, which has P/NP grading.

II. PROGRAM CHANGES

ADD MAJOR, DEGREE AND CONCENTRATIONS – ARCHITECTURE MAJOR, MASTER OF SCIENCE IN ARCHITECTURE (PENDING THEC APPROVAL)

ARCHITECTURE MAJOR – MASTER OF SCIENCE IN ARCHITECTURE DEGREE
Conservation and Stewardship concentration
High Performance Buildings concentration
Sustainable Design concentration
Urban Design concentration

In the 2013-14 *Graduate Catalog* add heading, text, and requirements for new Master of Science in Architecture degree.

Architecture Major, Master of Science in Architecture degree (PENDING THEC APPROVAL)
In addition to its two professional graduate degrees, the School of Architecture also offers a separate Master of Science in Architecture degree. The Master of Science in Architecture degree is a 3-semester program for students in any field of study who seek specialization in the following concentrations: conservation and stewardship, high-performance buildings, sustainability design, or urban design. Students may establish an individual area of concentration pending approval of the Graduate Program Committee.

Admissions
For all MS Architecture applicants:

- At minimum, a four-year undergraduate degree with a 3.00 GPA, or international equivalent degree and equivalent grades, as determined by the UT Graduate School.
- An optional portfolio illustrating evidence of visual creativity and/or graphic capabilities.
- An essay of intent identifying a specific area of study aligned with the general goals of the Architecture Graduate Program and the existing research / scholarship interests of the standing faculty in the College of Architecture and Design. Applicants may focus on either “advanced design skills” or “research-oriented focus.”
- Prior communication with individual faculty members in the applicant’s interest area and with the Chair of the Graduate Architecture Program is highly recommended.
- A minimum 3.00 undergraduate GPA, minimum 3.25 graduate GPA, minimum GRE scores: 147 QV and 3.0 analytical. Standardized test scores can be weighted differently in the admissions process depending on an applicant’s strengths.

Requirements
The Master of Science in Architecture degree with a major in Architecture requires a minimum of 36 semester hours of graduate course work, taking approximately three semesters of full-time study. A concentration area of study from among the currently available options ought to be selected. Self-designed concentrations will also be considered upon petition to the Graduate Program Committee.

The MS Arch requires 6 hours of Thesis 500 with a public presentation and oral defense of the thesis.

REVISE INTRODUCTORY COLLEGE TEXT

In the 2013-14 *Graduate Catalog*, revise the college introductory text in the following areas:

1) first paragraph, second sentence: to add wording “landscape architecture” as follows:
“All programs in architecture, landscape architecture, and interior design are fully…”

2) second paragraph: remove the second paragraph.

3) third paragraph: remove first sentence and replace with the following.
“Each graduate program offers a professional degree (required for licensure), and other advanced degrees with research-focused and design-focused options, drawing upon the expertise of faculty across the college and the larger university community. “

4) fifth paragraph: last sentence, remove the word “Workshop” and replace with FABlab as follows.
“…the Knoxville Downtown Studio, a new Design-Build FABlab near campus…

REVISE REQUIREMENTS – ARCHITECTURE MAJOR, MARCH

In the 2013-14 *Graduate Catalog*, under “Admissions”, second section, add text and requirements for Master of Architecture degrees as follows:

For all applicants to MArch Tracks 2 and 3:

- A minimum 3.00 undergraduate GPA, minimum 3.25 graduate GPA, minimum GRE scores: 147 QV and 3.0 analytical. Standardized test scores can be weighted differently in the admissions process depending on an applicant’s strengths.

In the 2013-14 *Graduate Catalog*, under “Admissions” first section, end of third bullet, add text for new Master of Science in Architecture degree as follows:

- See UTK Graduate School requirements.

In the 2013-14 *Graduate Catalog*, under “Requirements heading”, second paragraph, remove current text for Master of Architecture Track 1 degree and replace as follows:

The MArch Track 1 requires 6 hours of Thesis 500 with a public presentation and oral defense of the thesis.

COLLEGE OF ARTS AND SCIENCES

All changes effective Fall 2013 – unless otherwise noted (English, MFA, for effective term fall 2014)

PART I. COURSE CHANGES

DEPARTMENT OF ANTHROPOLOGY

Anthropology (ANTH)

ADD

ANTH 595 Biomechanics (3) Lecture-based seminar focusing on the basic concepts of biomechanics and how they relate to the study of vertebrates, especially humans. A review of bone biology is followed by scaling relationships (allometry) and basic mechanics, statics and bone, and finally kinematic and energetic studies.
(DE) Prerequisite: 480 or equivalent.
Recommended Background: Human anatomy, preferably Anthropology 695.

SCHOOL OF ART

Art Three-Dimensional Arts (ARTB)

REVISE (RE) PREREQUISITES

ARTB 421 Advanced Ceramic Sculpture (6)
(RE) Prerequisite(s): 321.

ARTB 422 Advanced Pottery (6)
(RE) Prerequisite(s): 322.

REVISE HOURS AND REPEATABILITY

ARTB 449 Special Topics in Sculpture (4)
Repeatability: May be repeated. Maximum 16 hours.

Art (ART)

REVISE TITLE

ART 535 Graduate 4D Arts Design I (2-6

ART 536 Graduate 4D Arts Design II (2-6)

ART 551 Transmedia Design I (2-6)

ART 552 Transmedia Design II (2-6)

Rationale: Reflects the combining of graduate Media Arts (4D) and Graphic Design into one concentration (Transmedia Design).

DEPARTMENT OF EARTH AND PLANETARY SCIENCES

Geology (GEOL)

REVISE TO DELETE CREDIT RESTRICTION

GEOL 593 Independent Study (1-12)

INTERDEPARTMENTAL - LIFE SCIENCES

Life Sciences (LFSC)

ADD AS SECONDARY CROSS LISTED COURSE

LFSC 517 Genomics and Bioinformatics (3)
Cross-listed: (See Microbiology 540.)

DEPARTMENT OF MICROBIOLOGY

Microbiology (MICR)

REVISE PRIMARY COURSE TO ADD CROSS LISTING

MICR 540 Genomics and Bioinformatics (3)
Cross-listed: (Same as Life Sciences 517.)

DEPARTMENT OF MODERN FOREIGN LANGUAGES AND LITERATURES

French (FREN)

REVISE DESCRIPTION, REMOVE (RE)PREREQUISITE, ADD COMMENT (PRIMARY COURSE)

FREN 420 French Cinema (3) The French cinema from its earliest days to the present; introduction to Francophone film. Taught in English. Films in French with English subtitles. May be applied toward the French major or minor; see comments below. Writing-emphasis course. Cross-listed: (Same as Cinema Studies 420.)
Comment(s): Credit toward a major or minor in French available with additional reading and writing in French to students who have completed French 351, 352, 353 or the equivalent.

SCHOOL OF MUSIC

Music Instrumental (MUIN)

ADD

MUIN 593 Independent Study (1-15)
Repeatability: May be repeated: Maximum 15 hours.
Registration Permission: Consent of Instructor.

Music Jazz (MUJZ)

ADD

MUJZ 593 Independent Study (1-15)
Repeatability: May be repeated: Maximum 15 hours.
Registration Permission: Consent of Instructor.

Music Keyboard (MUKB)

ADD

MUKB 593 Independent Study (1-15)
Repeatability: May be repeated: Maximum 15 hours.
Registration Permission: Consent of Instructor.

Music General (MUSC)

ADD

MUSC 593 Independent Study (1-15)
Repeatability: May be repeated: Maximum 15 hours.
Registration Permission: Consent of Instructor.

Music Voice (MUVC)

ADD

MUVC 593 Independent Study (1-15)
Repeatability: May be repeated: Maximum 15 hours.
Registration Permission: Consent of Instructor.

Rationale: Graduate students sometimes need independent study courses if they are working on two Masters degrees. Adding these courses means they can take an independent study in the area of their work. Impact on other units: None. Financial impact: None.

DEPARTMENT OF POLITICAL SCIENCE

Political Science (POLS)

ADD

POLS 551 Energy Policy (3) Analysis of current policy problems involving production, distribution, consumption and conservation of energy.

POLS 554 Sustainable Communities (3) Development and implementation of sustainable development approaches and strategies for local communities.

REVISE TITLE

POLS 566 Public Service Ethics and Values (3)

DEPARTMENT OF PSYCHOLOGY

Psychology (PSYC)

ADD

PSYC 561 Introduction to Group Interventions (3) Introduction to group theory, dynamics, and methods including: therapeutic factors in groups, group development, group climate and norms, leadership and co-leadership, multicultural considerations in group work, ethical issues in group work, group assessment/evaluation, group process and outcome research.

Rationale: The content of this course is substantially different from the content of the Counseling course to which our course was formerly cross listed (PSYC 567). This course will be better suited to the strengths and interests of our current faculty.

DROP SECONDARY CROSS LISTED COURSE

PSYC 567 Group Dynamics and Methods (3)
Cross-listed: (See Counselor Education 554.)

Rationale: Cross listing is being eliminated because we will now teach our own group dynamics and methods course.

DEPARTMENT OF RELIGIOUS STUDIES

Religious Studies (REST)

ADD AND REQUEST VARIABLE TITLE

REST 523 Seminar in Early Christianity (3) A thematic study of early Christianity from the second to the seventh century. Themes will vary.
Repeatability: May be repeated. Maximum 12 hours.

REST 534 Shari'a: Islamic Law and Ethics (3) A study of Islamic law and ethics - its sources, theories, applications, and varied interpretations in pre-modern and modern historical contexts. Will cover ritual, commercial, criminal, inheritance, and family law.

Rationale: This course is in the area of expertise of a new faculty member. Will give students the opportunity to study the subject of Islamic law, which remains severely misunderstood in the West, in detail. Will have wide appeal across the university and graduate students in the law school will be motivated to enroll. Impact on other units: No direct impact. Financial impact: None.

DEPARTMENT OF SOCIOLOGY

Sociology (SOCI)

ADD

SOCI 503 Foundations of Environmental Sociology (3) Systematic treatment of current research in environmental sociology. Social impact analysis and conflicts over environmental issues.

Rationale: Replaces SOCI 560 Environmental Sociology. More consistent in numbering and title with foundational course offerings.

SOCI 511 Pedagogy and Graduate Instruction (1) Methods and materials related to teaching and learning of sociology. Required of all new graduate students.
Grading Restriction: Satisfactory/No Credit grading only.
Repeatability: May be repeated. Maximum 3 hours.

SOCI 533 Philosophy of Social Science (3) Examination of ontological and epistemological positions of methodological approaches in the social sciences, including rational choice, interpretivist, behavioralist, institutionalist, and postmodernist perspectives.

Rationale: Replaces SOCI 534 and better reflects material covered in the course and departmental changes in areas of expertise.

SOCI 621 Sociological Theory II (3) Distinct schools of sociological theory and contributions of their principal exponents.
(RE) Prerequisite(s): 521 or consent of instructor.
Registration Restriction(s): Minimum student level – graduate.

Rationale: Replaces SOCI 622. More consistent in numbering with departmental courses offered in theory.

SOCI 638 Comparative Historical Sociology (3) Examines methodological issues in comparative historical sociology through classic and recent exemplars, archival research, and comparative and historical research.
(RE) Prerequisite(s): 531 or consent of instructor.
Registration Restriction(s): Minimum student level – graduate.

SOCI 640 Discourse Analysis (3) Foundations in the analysis of language, narrative, and meaning making in social life, including approaches to conversation, textual, archival, critical discourse, and genealogical research.
(RE) Prerequisite(s): 531 or consent of instructor.
Registration Restriction(s): Minimum student level – graduate.

SOCI 652 Law and Society (3) Examines the relationships and interactions between law, social structure, and cultural practices, with a focus upon legal, criminal, and political theory. Substantive areas include law and the state, inequality and the law, legal systems, rights discourse, and citizenship.

Rationale: Replaces 653. New title and description better reflects material covered and conventional terminology within the discipline.

SOCI 654 Criminal Justice Theories (3) Critical overview of theories of criminal justice policy and theories of crime control behaviors by institutions and individuals (criminal justice agents).
Registration Restriction(s): Minimum student level – graduate.

Rationale: Has been offered as topics course regularly enough to be made a permanent offering.

SOCI 674 Identity and Society (3) Examines the formation of identity in relation to self and society and along the axes of race, class, gender, sexuality, etc.

Rationale: Replaces 675. New title and description better reflect material covered and conventional terminology within the discipline.

DROP COURSES

SOCI 507 Foundations of Social Psychology (3)

SOCI 534 Advanced Sociological Analysis (3)

SOCI 560 Environmental Sociology (3)

SOCI 622 Sociological Theory II (3)

SOCI 653 Sociology of Law (3)

SOCI 675 Advanced Studies in Social Psychology (3)

Rationale: These courses are being replaced with new courses that reflect changes in faculty and departmental areas of expertise or that better reflects material covered and conventional terminology in the field. Impact on other units: None. Financial impact: None.

Equivalency Table

Current Course	Equivalent Course Effective Fall 2013
SOCI 534 Advanced Sociological Analysis	SOCI 533 Philosophy of Social Science
SOCI 560 Environmental Sociology	SOCI 503 Foundations of Environmental Sociology
SOCI 622 Sociological Theory II	SOCI 621 Sociological Theory II
SOCI 653 Sociology of Law	SOCI 652 Law and Society
SOCI 675 Advanced Studies in Social Psychology	SOCI 674 Identity and Society

REVISE TITLE, HOURS, AND DESCRIPTION

SOCI 506 Sociology and Social Justice (2) Provides a graduate level introduction to the discipline of sociology, especially in the department's areas of strength. Examines sociological perspectives on social justice; the relationship between sociology and society, including public policy; and public sociology and praxis. Required of new graduate students.

REVISE TITLE AND DESCRIPTION

SOCI 543 Sociology of Development and Globalization (3) Sociological theories of global development: modernization, dependency, world-systems, post-colonialism, and globalization. Topics range from impact of various development and underdevelopment projects and paths on social structures and inequalities to revolutionary/social movements of resistance and transformation.

DEPARTMENT OF THEATRE

THEATRE (THEA)

ADD NEW 400 LEVEL COURSES FOR GRADUATE CREDIT

THEA 473 Advanced Sound Design (3) Advanced application of theatrical sound design practice, principles, and technology.
(RE) Prerequisite(s): 373 or consent of instructor.

THEA 475 Projection and Media Design (3) The creation and execution of digital media for theatrical projection and multimedia/performance integration.

ADD

THEA 563 Projects in Lighting Design (1-3) Realized lighting design projects; from first read to opening night.
Repeatability: May be repeated. Maximum 18 hours.
Registration Permission: Consent of instructor.

Rationale: Replaces 560, to unify title and number scheme with graduate scenery and costume tracks.

THEA 588 Digital Portfolio (3) Creating a digital theatrical design portfolio and supporting materials, and the exploration of presentation options and standards.

DROP

THEA 560 Lab Analysis of Realized Lighting Designs (1-3)

Rationale: 560 will be replaced with 563, to unify title and number scheme with graduate scenery and costume tracks.

Equivalency Table

Current Course	Equivalent Course Effective Fall 2013
THEA 560	THEA 563

REVISE (RE)PREREQUISITE

THEA 430 Principles of Play Directing (3)
(RE) Prerequisite(s): 220 and 300.

Formerly: (RE)Prerequisite(s): 220.

REVISE DESCRIPTION AND ADD (RE)PREREQUISITE

THEA 446 Costume Patterning (3) Techniques in making patterns for theatrical costume.
(RE) Prerequisite(s): 345.

PART II. PROGRAM CHANGES

SCHOOL OF ART

▲ DROP CONCENTRATIONS – ART (MFA)

Drawing
Graphic Design
Media Arts
Painting

▲ ADD CONCENTRATIONS – ART (MFA)

Painting/Drawing
Transmedia Design

Rationale: Painting and Drawing has for some time now been one concentration (Painting/Drawing). Art is now combining graduate Media Arts (4D) and Graphic Design into one concentration (Transmedia Design). Impact on other units: None. Financial impact: None.

DEPARTMENT OF ENGLISH – FOR EFFECTIVE TERM FALL 2014

ADD MAJOR AND DEGREE – CREATIVE WRITING MAJOR, MFA (PENDING THEC APPROVAL) FOR FALL 2014 ADMISSION

In the 2013-14 *Graduate Catalog* add heading, text, and requirements for new MFA degree.

Creative Writing Major, MFA (Pending THEC approval) for Fall 2014 admission
The MFA degree with a major in Creative Writing promotes a combination studio/academic course of study allowing degree candidates to hone their skills as writers and grow as artists through rigorous application of craft. Students receive critical feedback on poetry, fiction and creative nonfiction in writing workshops, scrutinize aspects of genre in special topics classes and investigate larger theoretical and historical contexts for creative work in Literature and RWL classes. The program culminates in a thesis project comprised of a book length manuscript of original creative work. While the MFA degree is an ideal stepping stone for those students who plan to teach creative writing at any level and those who wish to pursue a PhD in English with a concentration in Creative Writing, the faculty of the Creative Writing Program at the University of Tennessee believes that study and practice of literary arts is intrinsically valuable and our program is designed first and foremost for those students who wish to dedicate their lives to writing well.

1. Students must complete 12 hours chosen from the following four courses:
ENGL 580
ENGL 581
ENGL 582
ENGL 686

2. Students must complete 12 hours chosen from the following courses:

ENGL 506	ENGL 507	ENGL 508	ENGL 509	ENGL 513	ENGL 514	ENGL 520	ENGL 521
ENGL 530	ENGL 531	ENGL 540	ENGL 541	ENGL 550	ENGL 551	ENGL 552	ENGL 560
ENGL 561	ENGL 575	ENGL 576	ENGL 583	ENGL 584	ENGL 585	ENGL 586	ENGL 587
ENGL 588	ENGL 589	ENGL 590	ENGL 591	ENGL 593	ENGL 594	ENGL 600	ENGL 610
ENGL 611	ENGL 620	ENGL 621	ENGL 630	ENGL 631	ENGL 640	ENGL 641	ENGL 650
ENGL 651	ENGL 652	ENGL 660	ENGL 661	ENGL 662	ENGL 670	ENGL 671	ENGL 672
ENGL 680	ENGL 682	ENGL 690	ENGL 694				

3. Students must complete 6 hours of ENGL 555.

4. Foreign Language Requirement:
MFA degree candidates must demonstrate proficiency in one foreign language. This requirement can be fulfilled in one of the following ways: Completion of a second year of language at college level with a grade of C or better, completion of French 302 or German 332 with a grade of B or better, or by passing a foreign language examination as administered at the University of Tennessee.

5. Final Examination:
MFA degree candidates must pass an oral examination, which consists of a public reading from the candidate's project in lieu of thesis, followed by a question-and-answer session open to both the public and the professorial committee.

Rationale: This is to better serve those students who would like to pursue the creative writing MFA but who now enroll in the writing concentration in the MA program. This proposal went through committees last year but was rescinded because we had not yet received THEC approval. We have now submitted and THEC has approved the Letter of Intent. While we wait for the THEC approval process,

we request the description be added in the 2013-14 *Graduate Catalog* for potential applicants to see when they review the catalog, with the proviso "for fall 2014 admission." Impact on other units: No impact. Financial impact: No impact.

INTERDISCIPLINARY PROGRAMS

- ADD GRADUATE CERTIFICATE – SOCIAL THEORY

In the 2013-14 *Graduate Catalog* add heading, text, and requirements for new certificate.

Social Theory Graduate Certificate
Harry F. Dahms, Sociology and Allen R. Dunn, English, Co-Chairs

The Interdisciplinary graduate certificate in Social Theory will enable students to develop rigorous interdisciplinary or multidisciplinary training in diverse areas of social theory, such as classical social theory, contemporary sociological theory, critical social theory, critical literary theory, critical race theory, feminist theory, poststructuralist theory, and postcolonial theory. The certificate will introduce students to a range both of modes of interpretation and of ways of framing research, and encourage them to adopt and refine the methods that best meet their needs. It will enhance students' analytical and critical skills, expand their intellectual horizons (both spatially/geographically and temporally/historically), and promote their abilities to deconstruct and reconstruct representations of social, political, cultural, and economic reality along a spectrum ranging from individual experiences to national and global constructions of identity.

The certificate is designed to provide a supplementary perspective for students already enrolled in graduate programs, to provide an entry into graduate study for those who are exploring a number of disciplinary approaches, to provide enrichment for members of the community who have a bachelor's or an advanced degree, and to develop skills for professionals in various fields.

Prospective candidates for the certificate may take up to 6 hours of certificate classes before formally applying for admission to the certificate. To apply:
1. If a current degree-seeking graduate student - application to the certificate must be made by submitting a letter of application and copies of undergraduate transcripts (and graduate transcripts, if applicable) to the Co-Chairs of the certificate program.
2. If non-degree or not currently enrolled, go to the Graduate Admissions website and submit online application for admission into the Social Theory certificate and submit letter of application to the Co-Chairs of the certificate program.

Once admitted for the certificate, students must maintain a GPA of at least 3.0. A minimum of 18 hours is required. All courses must be selected in consultation with a faculty member serving as the student's certificate advisor. This faculty member must approve all certificate courses for individual students prior to their being taken, except that, as noted above, up to 6 hours may be accepted from candidates upon admission. Each student should choose a committee consisting of the certificate advisor and two additional faculty members, who must be members of the certificate program's core or affiliated faculty.

Requirements
18 hours drawn from at least two different disciplines. For students enrolled in a MA degree program, no more than 12 hours of courses from the home department or program of the MA degree may be applied towards the certificate. Students may choose from the following courses: ARCH 507, CFS 550, CSE 526, CSE 539, CSE 548, CSE 609, CSE 639, ENGL 507, ENGL 576, ENGL 584, ENGL 590, ENGL 688, FREN 584, GEOG 599, GERM 560, HIST 557, PHIL 522, PHIL 528, PHIL 622, PHIL 624, SOCI 504, SOCI 521, SOCI 533, SOCI 621, SOCI 644, SOCI 652, SOCI 654, SOCI 661. Other courses may be applied to the certificate with the prior approval of the student's certificate advisor and the certificate Co-Chairs.

Completion of a capstone experience in the home department, such as the oral presentation of research results to a scheduled meeting of faculty and student members of the certificate program, or the submission of a published piece of work for discussion at a scheduled meeting of faculty and student members of the certificate program. Completion of the capstone experience must be certified by the student's certificate advisor and the certificate Co-Chairs. After completing all requirements, submit the Completion of Certificate Program form, with signatures, to The Graduate School for processing.

Rationale: Provides graduate students the opportunity to engage in a focused program of study in social and critical theory and to certify their completion of such a focused program of study. Impact on other academic units: No direct impact. Units offering courses listed in the certificate have agreed to the use of those courses. Financial impact: None.

DEPARTMENT OF MATHEMATICS

REVISE REQUIREMENTS – MATHEMATICS MAJOR, MS

In the 2013-14 *Graduate Catalog* remove the current two paragraphs and replace with the following 4 paragraphs.

The Mathematics Department offers three options for the Master of Science degree: a thesis option, a project option, and a course-work option.

The thesis option requires a written thesis, 6 hours of thesis research, and 24 additional hours in acceptable courses numbered above 400. Of the 24 additional hours, 6 may be in areas outside the department and 15 must be in mathematics courses numbered above 500.

The project option requires 30 hours in acceptable courses numbered above 400. Of these 30 hours, 21 hours (at least 15 of which are in mathematics) must be in courses numbered above 500. Of the 30 hours, 9 may be in areas outside the department. This option requires that a written final examination be passed and 3 hours credit be received for a reading course (598) in which a term paper or project is required.

The course-work option requires 30 hours in acceptable courses numbered above 400. Of these 30 hours, 21 hours (at least 15 of which are in mathematics) must be in courses numbered above 500. Of the 30 hours, 9 may be in areas outside the department. This option requires that the student pass two written examinations with a PhD level score as required in the PhD program.

REVISE REQUIREMENTS, MATHEMATICS MAJOR, MS, APPLIED MATHEMATICS CONCENTRATION,

In the 2013-14 *Graduate Catalog* delete the first sentence and replace with the following sentence.

For this concentration, available under all three options, the student must complete the following.

Rationale: Many universities award PhD students an MS degree after completing one or two years of coursework and satisfactory performance on some type of qualifying examination. The new option would award our PhD students an MS degree after completing course work equivalent to the present MS degree and passing 2 of the 6 PhD exams (the same requirement as for a PhD). This would be a convenient way for PhD students to pick up an MS degree along the way to a PhD and would increase the number of MS degrees we award.

DEPARTMENT OF POLITICAL SCIENCE

- ADD GRADUATE CERTIFICATE – GLOBAL SECURITY STUDIES

In the 2013-14 *Graduate Catalog* add heading, text, and requirements for new certificate.

Global Security Studies Graduate Certificate
The graduate certificate in Global Security Studies is a 15-hour certificate designed to provide students with a focused course of study in conflict processes, arms control, weapons proliferation, terrorism, international law, and U.S. national security institutions. The certificate will provide students with analytical tools to critically evaluate threats to U.S. and global security and develop the skills to model those threats effectively. The goal of the certificate is to foster an interdisciplinary dialogue on extant and emerging threats to the U.S. homeland and interests abroad. Experts from a wide range of backgrounds and perspectives, including business, physical and natural sciences, humanities, social sciences, and government, will often be asked to participate in the certificate to help students understand and appreciate the complex and difficult issues involved in U.S. and global security.

Admission
Students who are currently admitted in a program in the Department of Political Science or students admitted in other master's or doctoral programs can earn the certificate in Global Security Studies while completing their degrees. Admission to the Political Science Department is not required to earn the certificate in Global Security Studies. Interested applicants not currently admitted at UTK will complete and submit an online application to the Office of Graduate Admissions for admission to the Global Security Studies certificate.

Requirements
Political Science (POLS) 580 International Politics is required along with four of the following courses:
Nuclear Engineering (NE) 530 Nuclear Security Science and Analysis
Political Science (POLS) 548 Public Policy Process
Political Science (POLS) 571 Foundations of Security Studies
Political Science (POLS) 573 War, Peace, and Grand Strategy
Political Science (POLS) 682 Theory and Analysis of U.S. Foreign Policy Processes
Political Science (POLS) 684 International Law
Political Science (POLS) 685 Conflict Processes
Political Science (POLS) 686 Arms Control, Deterrence, and Nuclear Non-Proliferation

After completing all requirements, submit the Completion of Certificate Program form, with signatures, to The Graduate School for processing.

Rationale: The certificate program is designed to support four key objectives of the Political Science program: 1) Implement the Global Security Specialization of the Master of Public Policy and Administration (MPPA) program by offering graduate coursework in global security; 2) Connect the Political Science department to the Baker Center and Oak Ridge National Laboratory in facilitating student training and fostering an interdisciplinary dialogue on emerging global security concerns; 3) Integrate the Baker Center into the academic mission of the University through coursework, programming, faculty and student development, and community outreach; 4) Increase the number of graduate degrees produced by the Department, which is a top-25 metric and a key goal of the Chancellor.

ADD FIVE-YEAR BA-MPPA PROGRAM (ALSO REQUIRES APPROVAL FROM: ACADEMIC POLICY COMMITTEE)

Five-Year BA-MPPA Program – Public Policy and Administration Major

For qualified students, the Department of Political Science offers a 5-year BA-MPPA program with a BA major in Political Science and a non-thesis MPPA major in Public Policy and Administration. The primary component of the program is that a qualified student may take up to 9 hours of approved graduate courses for their senior undergraduate electives and have them count toward both the BA degree and the MPPA degree. Students are typically considered for conditional admission to the program during, or immediately following, their third year of undergraduate study at UT.

To be considered for conditional admission to the program:

• A student must be a declared Political Science major with a minimum GPA of 3.4, must have completed at least 15 hours of credit in Political Science, and must have completed at least 90 hours of the 120 hours of coursework required for the BA degree with a major in Political Science.

• A student must provide three letters of recommendation and complete a personal interview with the Department of Political Science.

Applicants are strongly encouraged, but not required, to have completed ECON 201, POLS 340, and POLS 401. The Department may consider other relevant factors such as an applicant's work experience and level of maturity before conditionally admitting a student to the BA-MPPA program.

Conditional admission of a student into the 5-year BA-MPPA program must be approved by both the Department of Political Science and the Graduate School. Students will be informed of the outcome of their application prior to the beginning of their fourth year of undergraduate study.

Any course taken for graduate credit prior to satisfying all requirements for the BA degree must be approved both by the Department head (or designee) and by the Graduate School. UT's Senior Privilege rule imposes a maximum limit of 9 hours on the number of graduate-level hours that an undergraduate student may complete before completing an undergraduate degree and being formally admitted to the Graduate School. A student who is conditionally admitted to the BA-MPPA program, completes 9 hours of graduate credit during the student's fourth year of undergraduate study, and applies those 9 hours to satisfy BA degree requirements may also apply the 9 hours towards MPPA degree requirements.

Conditional admission into the BA-MPPA program does not guarantee acceptance into either the Graduate School or the MPPA program. Students in the BA-MPPA program must apply for admission to the Graduate School and to the MPPA program during their fourth year of undergraduate study, following the same procedures that all other students follow. A GRE score must be submitted as part of the application for admission into any graduate program in the Department of Political Science. Students will be fully admitted to the BA-MPPA program after they have been accepted both by the Graduate School and by the MPPA program.

Once fully admitted to the MPPA program, BA-MPPA students are required to complete the same curriculum as other students enrolled in the MPPA program.

Rationale: This accelerated graduate program counts up to 9 credits of the MPPA program toward both the BA and MPPA degrees, thus reducing the cost and time of obtaining the two degrees. We believe it will be an excellent marketing tool for the MPPA in that we will be able to attract some of our best undergraduates into the program. Impact on other units: None. Financial impact: None.

REVISE REQUIREMENTS – POLITICAL SCIENCE MAJOR, MA, NON-THESIS OPTION

In the 2013-14 *Graduate Catalog* under the non-thesis heading, remove the second sentence and replace with the following sentence:

At least 12 hours must be in political science with 6 in the field of methodology (POLS 510 and either POLS 511 or POLS 512) and 3 hours in the 600-level research seminar in the student's first or second field of interest.

REVISE TEXT AND REQUIREMENTS – PUBLIC POLICY AND ADMINISTRATION MAJOR, MPPA

In the 2013-14 *Graduate Catalog* remove current text and replace with the following:

Public Policy and Administration Major, MPPA
The MPPA program prepares students for careers in the public and not-for-profit sectors. After completing a common core of foundational courses, students specialize either in public management or public policy. The degree consists of a total of 39 credit hours and includes a recommended internship. No thesis is required for completion of the degree.

Admission
Applicants for admission to the program must have a bachelor's degree or its equivalent. An overall average of 3.0 and an average of 3.2 in the last two years of political science courses are required. In addition, a composite score of 302 on the verbal and quantitative parts of the GRE is desired.

Requirements
The MPPA is a non-thesis program requiring 39 hours. Specific requirements include the following:

I. Foundations of Public Policy and Administration-18 hours
Students must take all <u>six</u> of the following courses.
Political Science 550 Public Administration and Public Policy
Political Science 512 Quantitative Political Analysis
Political Science 548 Public Policy Process
Political Science 560 Public Financial Administration
Political Science 566 Public Service Ethics and Values
Economics 570 Economics of the Public Sector

II. Specialized Track-15 hours
Students must complete either the Public Management Track or the Public Policy Track.

A. Public Management Track
Students must complete the following three courses.
Political Science 514 Research Design and Methodology in Public Administration
Political Science 542 Legal Foundations of Public Administration
Political Science 562 Public Management

Students must take <u>two</u> of the following courses.*
Political Science 539 State and Local Government
Political Science 543 Law, Regulation and Public Policy
Political Science 553 Non-Profit Management
Political Science 556 Policy Analysis
Political Science 558 Politics of Administration
Political Science 564 Human Resource Management
Political Science 581 Foundations of Planning
*One course may be taken in another department with prior approval.

B. Public Policy Track
Students must complete one of the following courses.
Political Science 513 Quantitative Political Analysis
Political Science 514 Research Design and Methodology in Public Administration

Students must complete two of the following courses.
Political Science 556 Policy Analysis
Political Science 543 Law, Regulation and Public Policy
Political Science 654 Contemporary Public Policies

Students taking the Public Policy Track must complete the requirements in one of the following specialized areas.

1. Energy and Environment Specialization.*
Students must complete two of the following courses.
Political Science 549 Environmental Policy
Political Science 551 Energy Policy
Political Science 554 Sustainable Communities
*One course may be taken in another department with prior approval.

2. Global Security Specialization.*
Students must complete two of the following courses.
Political Science 571 Foundations of Security Studies
Political Science 573 War, Peace, and Grand Strategy
Political Science 580 International Relations
Political Science 682 Theory/Analysis of U.S. Foreign Policy

Political Science 684 International Law
Political Science 685 Conflict Processes
Political Science 686 Arms Control, Deterrence and Nuclear Nonproliferation
*One course may be taken in another department with prior approval.

3. Customized Policy Specialization.*
Students must complete any two graduate courses in a particular policy area in Political Science or another department with prior approval.

III. Internship-6 hours
Political Science 569 Internship in Public Administration
Note: Although an internship is highly recommended, students may choose to take two additional approved courses in lieu of an internship. Students may take these courses outside the department to meet this requirement with the prior approval of the program director.

DEPARTMENT OF SOCIOLOGY

REVISE TEXT AND REQUIREMENTS – SOCIOLOGY MAJOR, MA

In the 2013-14 *Graduate Catalog* remove current text and replace with the following:

The Master of Arts degree with a major in sociology requires a minimum of 30 credit hours beyond the bachelor's degree. At least 21 total hours must be completed in 500 and 600 level courses. MA students may take 9 hours in 400 level courses that carry graduate credit (in consultation with their advisor). Twelve (12) hours may be taken outside the department with the advisor's consent. Students must complete all requirements within 6 calendar years of enrollment.

All MA students must complete the following requirements (6 courses for 15 credit hours):
SOCI 506 Sociology and Social Justice (2 hours)
SOCI 511 Pedagogy and Graduate Instruction (1 hour)
SOCI 521 Sociological Theory
SOCI 531 Research Methods in Sociology

Two courses (Foundations and one other) in a specialty area (Environmental Sociology, Political Economy and Globalization, or Criminology). Choose one from SOCI 503 Foundations of Environmental Sociology; SOCI 504 Sociological Foundations of Political Economy; or SOCI 505 Foundations of Criminology AND choose one additional course in the same area.

Specialty Areas:
The criminology concentration includes SOCI 505, SOCI 652, SOCI 654, and SOCI 655.
The environmental sociology concentration includes SOCI 503, SOCI 661 and SOCI 665.
The political economy and globalization concentration includes SOCI 504, SOCI 541, SOCI 543, SOCI 644 and SOCI 645.

Students entering the MA program who have not completed at least one undergraduate course in statistics or its equivalent must take STAT 531 prior to enrolling in Sociology 531. Students may additionally elect to complete requirements for the statistics minor. A minor in statistics consists of 9 hours of statistics courses. See Department of Statistics, Operations and Management Science for requirements.

Thesis Option
MA students choosing the thesis option are required to complete 9 hours of course work in sociology in addition to the required 15 hours described above and 6 hours of SOCI 500. When a decision is reached about the thesis topic, the student should consult with the faculty member whose interests most closely match the student's and with whom the student can establish a strong working relationship and request that the faculty member chair the thesis committee.

Non-Thesis Option
MA students choosing the non-thesis option are required to complete the required 15 hours described above and 15 additional hours of course work. Plans for the completion of the non-thesis MA must be filed in writing with the Director of Graduate Studies. Further details are available in the Graduate Handbook of Sociology.

REVISE TEXT AND REQUIREMENTS – SOCIOLOGY MAJOR, PHD

In the 2013-14 *Graduate Catalog* remove current text and replace with the following:

A minimum of 51 credit hours beyond the master's degree is required for the PhD degree. These hours include 24 hours of Doctoral Research and Dissertation and a minimum of 27 hours in course work (9 courses). Students must also pass two qualifying exams in theory and methods no later than the beginning of the third year of study and a comprehensive examination in one of the three areas of concentration (criminology, environmental sociology, and political economy and globalization), write a dissertation based on original research, and pass a final oral examination on the dissertation.

The following requirements must also be met:

Three core courses (9 hours): SOCI 621; SOCI 631; one from SOCI 633, SOCI 636, SOCI 638, or SOCI 640.

9 hours, including foundations class, in area of concentration.

The criminology concentration includes SOCI 505, SOCI 652, SOCI 654, and SOCI 655.
The environmental sociology concentration includes SOCI 503, SOCI 661, and SOCI 665.
The political economy and globalization concentration includes SOCI 504, SOCI 541, SOCI 543, SOCI 644, and SOCI 645.

9 hours in second area (another concentration in Sociology, a foreign language, interdisciplinary social theory graduate certificate, statistics minor, or an additional area proposed by the student in consultation with their advisor and approved by the graduate committee).

At least 12 hours (4 courses) must be completed at the 600 level.

At least 24 hours of SOCI 600 Doctoral Research and Dissertation.

If not completed at the MA level, SOCI 506, SOCI 511, SOCI 521 and SOCI 531 (hours will not count toward the minimum number of hours required for the PhD).

DEPARTMENT OF THEATRE

REVISE REQUIREMENTS – THEATRE MAJOR, MFA

In the 2013-14 *Graduate Catalog* revise the following 3 concentrations by removing current text and replace with the following:

Costume Design Concentration
Required courses are THEA 503 in the first year of residence, 1 hour of THEA 491, 1 hour of THEA 492, 3 hours of THEA 543, and at least 12 hours of THEA 580.

Lighting Design Concentration
Required courses are THEA 503 in the first year of residence, 1 hour of THEA 491, 1 hour of THEA 492, 3 hours of THEA 563, and at least 12 hours of THEA 580.

Scene Design Concentration
Required courses are THEA 503 in the first year of residence, 1 hour of THEA 491, 1 hour of THEA 492, 3 hours of THEA 553, and at least 12 hours of THEA 580.

Rationale: The project courses have always been required by each advisor/area head. This change corrects and clarifies what already takes place. Impact on other units: None. Financial impact: None.

COLLEGE OF BUSINESS ADMINISTRATION

All changes effective Fall 2013

PART I: COURSE CHANGES

(BUAD) Business administration

DROP

BUAD 501 MBA Career Development (1)

BUAD 512 MBA Core II (15)

BUAD 513 MBA Core III (15)

BUAD 514 Integrated Business Simulation (1)

BUAD 520 Innovation and Entrepreneurship (3)

BUAD 599 Executive-In-Residence (3)

SUPPORTING INFORMATION: Rationale: Courses no longer offered – part of "old" MBA curriculum.

(INTERDEPARTMENTAL) INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY

(IOP) Industrial and Organizational Psychology

DROP ALL COURSES (EXCEPT COURSE 600)

IOP 502 Registration for Use of Facilities (1-15)

IOP 525 Research in Industrial/Organizational Psychology (1-3)

IOP 567 Proseminar in Industrial/ Organizational Psychology (3)

IOP 568 Proseminar in Industrial/ Organizational Psychology (3)

IOP 569 Applied Measurement for Industrial/ Organizational Psychology (3)

IOP 605 Advanced Research Methods in Psychology (3)

IOP 611 Seminar in Organizational Leadership (3)

IOP 612 Seminar in Work Motivation (3)

IOP 614 Seminar in Employee Selection (3)

IOP 625 Topics in Organizational Psychology (3)

IOP 627 Structural Equation Models in Organizational Research (3)

IOP 635 Ethical and Professional Issues in Industrial/Organizational Psychology (3)

IOP 690 Supervised Practicum, Internship or Field Training in Industrial/Organizational Psychology (1-15)

Rationale: No students have been admitted to this program since 2007. Departmental resources have not been directed to support this program. We are leaving course 600 available for registration for the last 2 doctoral students. Staffing impact: None Financial Impact: none Impact on other units: None.

DEPARTMENT OF ECONOMICS

(ECON) Economics

ADD

ECON 570 Economics of the Public Sector (3) Microeconomic behavior, resource allocation and market performance; market failure including externalities and public goods; equity, efficiency and welfare economics; income redistribution; public expenditures; political economy; taxation and tax policy; intergovernmental finance.
Comments: PhD Economics students must obtain consent of instructor.

Rationale: Support a new core requirement in the master's of public policy and administration offered by the political science department and meet the needs of master's students in economics and other fields. Staffing Impact: Supported by a reallocation of departmental resources and/or the new economics hire joint with the Baker Center (which is in process irrespective of the course).

DEPARTMENT OF MANAGEMENT

(HRD) Human Resource Development

> DROP ACADEMIC DISCIPLINE, SUBJECT CODE, AND ALL COURSES

HRD 500 Thesis (1-15)

HRD 502 Registration for Use of Facilities (1-15)

HRD 503 Problems in Lieu of Thesis (3)

HRD 513 Special Topics in Human Resource Development (1-3)

HRD 600 Doctoral Research and Dissertation (3-15)

HRD 613 Seminar in Selected Topics (3)

Rationale: No students have been admitted to the HRD PhD concentration in the past five years. Departmental resources have not been directed to support this concentration in the department. One student in this program can register using Mgt 600 after Summer term, 2013, if necessary. Staffing impact: None Financial Impact: none Impact on other units: None.

(MGT) Management

ADD

MGT 627 Structural Equation Models in Organizational Research (3) Issues related to analysis of organizational data using structural equation and related techniques.
Registration Restriction(s): Minimum student level – graduate.

Rationale: MGT 627 is being added because IOP 627 is being dropped. The department wants to retain the course so we are adding it back under a MGT course number. While the IOP courses are no longer being taught and the major is being dropped, this course is one that is taken by many business PhD students and is taught on a regular basis.

Equivalency Table	
Current Course	Equivalent Course effective fall 2013
Industrial and Organizational Psychology (IOP) 627	Management (MGT) 627

DEPARTMENT OF MARKETING AND SUPPLY CHAIN MANAGEMENT

(LOG) Logistics

> DROP ACADEMIC DISCIPLINE, SUBJECT CODE, AND ALL COURSES

LOG 502 Registration for Use of Facilities (1-15)

LOG 505 Supply Chain Management I: Strategic Issues in Supply Side Supply Chain Management (1.5)

LOG 506 Supply Chain Management II: Strategic Issues in Demand Side Supply Chain Management (1.5)

LOG 520 Manufacturing/Services Operations & Procurement (3)

LOG 546 Logistics Operations (3)

LOG 547 Supply Chain Analytics and Strategy (3)

LOG 593 Independent Study (3-6)

LOG 599 Special Topics in Logistics (3-6)

LOG 600 Doctoral Research and Dissertation

LOG 611 Theoretical Foundations

LOG 612 Quantitative Research Methods

LOG 613 Supply Chain Management Thought

LOG 614 Evolution of Logistics Thought

LOG 615 Survey of Models in Marketing and Logistics Research

LOG 693 Independent Study

Rationale: The Logistics program name changed to Supply Chain Management reflecting the discipline's evolution to this broader perspective. The department name change (from 'Marketing and Logistics' to 'Marketing and Supply Chain Management') was approved by the UT Board of Trustees in Summer 2012. Therefore, the academic discipline, program, subject code and courses need to reflect the change to Supply Chain Management. Staffing impact: None. The department has been preparing for this move over the past several years, making sure new hires have been appropriate for the transition to the broader supply chain perspective.

(MARK) Marketing

ADD

MARK 618 Contemporary Marketing Thought II (3) Continuation of 614, but can also be taken as a stand-alone offering. Continues a survey of current marketing thought and research. The contributions of past work, as well as opportunities for new knowledge creation are considered.
Registration Restriction(s): Minimum student level – graduate.
Registration Permission: Consent of instructor.

SUPPORTING INFORMATION Rationale: To allow for the broadening and deepening of the content coverage here by introducing a second "Marketing Thought" course. Staffing Impact, none. We are discontinuing a PhD course (unofficially titled "International Business") that has been taught recently under the "Special Topics" heading. Financial Impact: none Impact on other units: None.

REVISE PRIMARY COURSES TO REFLECT ACADEMIC DISCIPLINE NAME CHANGE OF SECONDARY COURSES

MARK 611 Theoretical Foundations (3)
Cross-listed: (Same as Supply Chain Management 611.)

Formerly: Cross-listed: (Same as Logistics 611).

MARK 612 Quantitative Research Methods
Cross-listed: (Same as Supply Chain Management 612.)

Formerly: Cross-listed: (Same as Logistics 612).

REVISE PRIMARY COURSE TO ADD CROSS-LISTING

MARK 613 Qualitative Research Methods (3)
Cross-listed: (Same as Supply Chain management 613.).

Formerly: not cross-listed.

REVISE TITLE AND DESCRIPTION

MARK 614 Contemporary Marketing Thought I (3) Survey of current marketing thought and research. The contributions of past work, as well as opportunities for new knowledge creation are considered.

(SCM) Supply Chain Management

> ADD ACADEMIC DISCIPLINE, SUBJECT CODE, AND COURSES

SCM 502 Registration for Use of Facilities (1-15) Required for the student not otherwise registered during any semester when student uses university facilities and/or faculty time before degree is completed.
Grading Restriction: Satisfactory/No Credit grading only.
Repeatability: May be repeated.
Credit Restriction: May not be used toward degree requirements.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Minimum student level – graduate.

SCM 505 Supply Chain Management I: Strategic Issues in Supply Side Supply Chain Management (1.5) Strategic logistics-related management issues and frameworks associated with managing the supply side of contemporary supply chains. Topics such as procurement, strategic sourcing, inbound logistics, MRP and inventory management will be discussed.
Comment(s): Or consent of instructor.
Registration Restriction(s): Master of Business Administration admission. Minimum student level – graduate.

SCM 506 Supply Chain Management II: Strategic Issues in Demand Side Supply Chain Management (1.5) Logistics-related issues associated with strategically managing the demand side of contemporary supply chains. Emphasis will be placed on topics such as warehousing, transportation, logistics customer service and service quality, information systems, DRP, and logistics networks.
(DE) Prerequisite(s): 505.
Comment(s): Or consent of instructor.
Registration Restriction(s): Master of Business Administration admission. Minimum student level – graduate.

SCM 520 Manufacturing/Services Operations and Procurement (3) Introduces the processes, creation, and management of value added transactions and relationships between suppliers, and internal and external customer relationships within an organization, channel, supply chain, and integrated value system context. Manufacturing/Service Operations Management focuses on the concepts, methods and tools that are useful in understanding the management of a firm's operations in manufacturing and service firms. Includes the systematic planning, design, and operation of all processes required for the production and delivery of goods and services. Procurement and strategic sourcing addresses the processes, methods and tools useful in understanding the management of the supply of materials and services to the organization. This includes planning, design and management of supplier relationships, the decision to make or to buy, cost and pricing management for purchased goods and services.
(RE)Prerequisite(s): Business Administration 518.

SCM 546 Logistics Operations (3) Analysis of logistics and transportation operations and management techniques applied to warehousing / distribution center operations, operation of transportation services, and logistics personnel management.
(RE)Prerequisite(s): Business Administration 518.

SCM 547 Supply Chain Analytics and Strategy (3) Development of strategy for supply chain processes and logistics systems. Executive-level integration of supply chain strategy with functional areas including logistics, marketing, manufacturing and procurement. Introduction and use of analytical tools and techniques that provide a cause and effect understanding of operational actions to corporate objectives.
(RE)Prerequisite(s): Business Administration 518.

SCM 593 Independent Study (3-6) Directed research and study.
Repeatability: May be repeated. Maximum 6 hours.
Registration Permission: Consent of instructor.

SCM 599 Special Topics in Logistics (3-6) Seminar designed to study specific current problem areas in logistics. Topic announced prior to offering.
Repeatability: May be repeated. Maximum 6 hours.
Registration Permission: Consent of instructor.

SCM 600 Doctoral Research and Dissertation (3-15)
Grading Restriction: P/NP only.
Repeatability: May be repeated.
Registration Restriction(s): Minimum student level – graduate.

SCM 620 Logistics and Inventory Management (3) Survey of concepts, frameworks, theory, research issues, and empirical research in content areas related to logistics and inventory management. Conceptual foundations, issue controversies, and future directions.
Registration Restriction(s): Minimum student level – graduate.

Rationale: Replacing dropped LOG 614 with SCM 620 with a new title.

SCM 621 Operations and Purchasing Management (3) Survey of concepts, frameworks, theory, research issues, and empirical research in content areas related to manufacturing and service operations management and purchasing. Conceptual foundations, issue controversies, and future directions.
Registration Restriction(s): Minimum student level – graduate.

Rationale: New course being added under the SCM academic discipline. Supply Chain Management encompasses a broader domain scope than Logistics. This additional course is consistent with the broadened focus on supply chain management.

SCM 622 Supply Chain Management Thought (3) Survey of concepts and research methods of interorganizational systems. Supply chains will be studied from multiple perspectives including the following: institutional design and structure, transaction cost economics, operations and logistics cost economics, exchange behaviors and strategies, supply chain relationship types, and evaluation of supply chain performance.
Registration Restriction(s): Minimum student level – graduate.

Rationale: Replacing dropped LOG 613 with SCM 622.

SCM 623 Analytical Research Methods (3) Examination of analytical modeling methodologies used in supply chain management. The course will cover the use of optimization, heuristic and simulation modeling methods to make contributions to theory and practice in the field of supply chain management. Other methods will be included at the discretion of the instructor.
Registration Restriction(s): Minimum student level – graduate.

Rationale: Replacing dropped LOG 615 with SCM 623 with a new title. Scope of course has been changed to more fully reflect analytical methods, and to parallel the quantitative (SCM 612) and qualitative (SCM613) courses already on offer.

SCM 693 Independent Study (1-6) Directed research on subject of mutual interest to student and staff member.
Repeatability: May be repeated. Maximum 6 hours.
Registration Restriction(s): Minimum student level – graduate.
Registration Permission: Consent of instructor.

Rationale: Replacing dropped LOG 693 with SCM 693.

Equivalency Chart

Current Courses (LOG) Logistics	Equivalent Courses Effective Fall 2013 (SCM) Supply Chain Management
502	502
505	505
506	506
520	520
546	546
547	547
593	593
599	599
600	600
611	611 (Primary course: MARK 611)
612	612 (Primary course: MARK 612)
613	622
614	620
615	623
693	693

SUPPORTING INFORMATION Rationale: The Logistics program name changed to Supply Chain Management reflecting the discipline's evolution to this broader perspective. The department name change (from 'Marketing and Logistics' to 'Marketing and Supply Chain Management') was approved by the UT Board of Trustees in Summer 2012. Therefore, the academic discipline, program, subject code and courses need to reflect the name change to Supply Chain Management. Staffing impact: none. The department has been preparing for this move over the past several years, making sure new hires have been appropriate for the transition to the broader supply chain perspective. Financial impact: None, due to the department's preparation over the past several years with faculty hires. Impact on other units: None.

ADD AS SECONDARY CROSS-LISTED COURSES

SCM 611 Theoretical Foundations (3)
Cross-listed: (See Mark 611)

SCM 612 Quantitative Research Methods (3)
Cross-listed: (See Mark 612.)

Rationale: SCM 611 and 612 replaces LOG 611 and LOG 612 as secondary courses to MARK 611 and 612.

SCM 613 Qualitative Research Methods (3)
Cross-listed: (See Mark 613.)

Rationale: New cross-listing with MARK 613 to align with new SCM program.

PART II: PROGRAM CHANGES

REVISE FULL-TIME MBA, MBA CORE DESCRIPTION

In the 2013-2014 *Graduate Catalog*, under Requirements Heading, MBA Core, delete the first paragraph and replace with the following sentence:

The MBA core (30 hours) consists of courses that introduce students to the foundations of business.

REVISE MBA PROGRAM DESCRIPTION

In the 2013-2014 *Graduate Catalog*, under Full-Time MBA heading, third paragraph, delete the word "logistics" in current description and replace "supply chain management."

REVISE DESCRIPTION – MBA PROGRAM FOR WORKING PROFESSIONALS – AEROSPACE AND DEFENSE MBA

In the 2013-2014 *Graduate Catalog*, delete the current description and replace with the following:

The Aerospace and Defense MBA is provided for a national audience of professionals from defense and commercial aerospace organizations who have five years of work experience. The program provides a solid grounding in the broad range of business functions. In addition to the traditional Executive MBA curriculum, the program also offers specialized areas of focus (e.g., value stream integration, lean manufacturing, acquisition processes, and industrial statistics), providing students the opportunity to choose an area relevant to their career goals within the context of the aerospace and defense industry. This mix of topical coverage is ideal for individuals with technical backgrounds who are transitioning into program management where business and leadership skills are critical.

The program is completed in three consecutive semesters. Course work is completed through on campus residence periods, off-campus sites for industry-immersed learning, and via synchronous and asynchronous distance learning. Graded work includes a number of large-scale projects completed under faculty supervision, resulting in significant written reports and oral presentations.

Applications are accepted on a rolling basis. The application due date is six weeks prior to the beginning of the first semester. The GMAT may be waived for applicants with 5 or more years of professional work experience or a graduate degree. The program will not be offered in those years in which the enrollment is insufficient.
Additional information on the Aerospace and Defense MBA can be found at www.emba.utk.edu.

REVISE DESCRIPTION – MBA PROGRAM FOR WORKING PROFESSIONALS

In the 2013-2014 *Graduate Catalog*, under "Admissions" remove second sentence and replace with the following two sentences:

Applicants must submit an online application to the program, as well as an online application to the Office of Graduate Admissions. Applicants must meet the minimum requirements of the Graduate Council and submit transcripts of all undergraduate and graduate work.

REVISE DESCRIPTION – DUAL MS-MBA PROGRAM: BUSINESS ADMINISTRATION/ ENGINEERING

In the 2013-2014 *Graduate Catalog*, under Requirements heading, delete the third paragraph and replace with:

For additional requirements for the Master of Science degree with majors in aerospace engineering, biomedical engineering, chemical engineering, civil engineering, computer engineering, computer science, electrical engineering, engineering science, environmental engineering, industrial engineering, materials science and engineering, mechanical engineering, nuclear engineering, or reliability and maintainability engineering, refer to program descriptions for those majors.

Rationale: To include reliability and maintainability engineering as a participant in the dual degree program text allows deletion of the showcase as a separate catalog entry.

REMOVE SHOWCASE - DUAL MS-MBA PROGRAM: BUSINESS ADMINISTRATION/ RELIABILITY AND MAINTAINABILITY ENGINEERING

In the 2013-2014 *Graduate Catalog*, delete/remove the show case.

Rationale: Program description is included under the catalog entry "Dual MS-MBA Program: Business Administration/ Engineering" showcase is no longer needed.

REVISE SHOWCASE - DUAL MS-MBA PROGRAM: BUSINESS ADMINISTRATION/ RECREATION AND SPORT MANAGEMENT

In the 2013-14 *Graduate Catalog*, revise the dual showcase under "spring first year, session 2, 6th line, by removing the course number (554) and replacing with "any RSM elective."

DEPARTMENT OF ACCOUNTING AND INFORMATION MANAGEMENT

REVISE TEXT – ACCOUNTING MAJOR, MACC

In the 2013-2014 *Graduate Catalog*, under Admissions heading, delete first paragraph and replace with:

Students may begin graduate course work for the MAcc only in the fall semester. The application deadline is March 1 (February 1 for international students), and applications received after that date will be considered as space allows. The program is designed both for students who have completed an accredited baccalaureate degree program with a major in accounting and other areas. Students with an accounting degree from an accredited baccalaureate degree program normally meet all prerequisites for the program. Students with outstanding undergraduate records in areas other than accounting may qualify for the MAcc program by completing course work in introductory accounting and economics, and the following prerequisite undergraduate courses – Accounting 301, 311, 321, 411, 414, and 431; Information Management 341; and Finance 301, or their equivalents as approved by the Director of the MAcc program and the Undergraduate Programs Office. Other course work may be required or recommended depending on the student's academic background. All prerequisites must be completed prior to the start of graduate course work in the MAcc program. In addition to the general admission requirements, MAcc applicants are required to take the Graduate Management Admission Test (GMAT) and submit information on forms provided by the Department of Accounting and Information Management. Applicants whose native language is not English must submit results of the Test of English as a Foreign Language (TOEFL).

In the 2013-2014 *Graduate Catalog*, under Admissions heading, delete the first sentence of the fourth paragraph and replace with:

Students will be expected to have a laptop computer for use in the program.

In the 2013-2014 *Graduate Catalog*, under Requirements heading keep the first paragraph but delete the rest of the text in that section and replace with:

Students take 12 hours each semester and 6 hours in the first summer session. Depending on the concentration, program requirements are as follows:

Audit and Controls Concentration
ACCT 507, ACCT 518, ACCT 519, ACCT 521, ACCT 531, ACCT 593; BUAD 521, BUAD 522, BUAD, 523; INMT 543.

Tax Concentration
ACCT 507, ACCT 521, ACCT 530, ACCT 531, ACCT 532, ACCT 533, ACCT 539, ACCT 593; BUAD 522, BUAD, 523.

Students may modify their program only with approval of the Director of the MAcc program.

(INTERDEPARTMENTAL) INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY

DROP MAJOR AND DEGREE – INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY MAJOR, PHD

In the 2013-2014 *Graduate Catalog*, remove all catalog text for the industrial and organizational psychology major.

In the 2013-2014 *Graduate Catalog*, College of Business Administration introductory text, delete third bullet to remove text concerning above dropped major and degree.

Rationale: No students have been admitted to this program in the past five years. Departmental resources have not been directed to support this program. The two remaining students will enroll in IOP 600. Staffing impact: None. Financial Impact: none.

DEPARTMENT OF MANAGEMENT

▲ DROP CONCENTRATION –BUSINESS ADMINISTRATION MAJOR, PHD

Human Resource Development concentration

In the 2013-2014 *Graduate Catalog* remove the concentration name in the following places

1) under College introductory text: 5th paragraph, first bullet.
2) under Business Administration Major, PhD – under "Overview" and "Concentrations" headings.
3) under Management, under "Majors" and "Business Administration" delete Human Resource Development concentration
4) under Management, first paragraph under "Majors" remove last sentence of first paragraph.

Rationale: No students have been admitted to this program in the past five years. Departmental resources have not been directed to support this concentration in the department. Staffing impact: None Financial Impact: none Impact on other units: None.

REVISE TEXT - HUMAN RESOURCE MANAGEMENT MAJOR, MS

In the 2013-2014 *Graduate Catalog*, under Admission heading, revise text in two places and revise one line under Requirements heading as follows:

1) First sentence: remove and replace with:

Students may begin graduate course work for the Master of Science with a major in human resource management in the fall or spring semesters.

2) Second paragraph: remove third sentence and replace with:

The foundations course work includes Accounting 200; Economics 201; Finance 300 or 301; and Business Administration 242, or their equivalents as approved by the director of the HRM program.

SUPPORTING INFORMATION Rationale: HRM admits students in both the fall and spring semesters. Program does not require Management 201 as a foundation course and allows students to take Finance 300 or 301. Course format: no change. Impact on other units: None. Financial impact: None.

3) under Requirements heading, ninth line, add text at the end of the line after course number:
Statistics STAT 531 or equivalent course approved by the Program Director

SUPPORTING INFORMATION Rationale: Statistics 531 is presently offered only as an online course and we would like for our Human Resource Masters students to have other options for meeting the statistics requirement. Course format: no change. Impact on other units: None. Financial impact: None.

DEPARTMENT OF MARKETING AND SUPPLY CHAIN MANAGEMENT

▲ DROP CONCENTRATION – BUSINESS ADMINISTRATION MAJOR, PHD

Logistics Concentration

▲ ADD CONCENTRATION – BUSINESS ADMINISTRATION MAJOR, PHD

Supply Chain Management

In the 2013-2014 *Graduate Catalog*, revise concentration name in the following areas:
1) under college introductory text, revise the first bullet to – delete "logistics" and add "supply chain management".

2) under Business Administration Major, PhD, Overview section, revise sentence in the fourth paragraph by deleting "logistics" and adding "supply chain management".

3) under Business Administration Major, PhD, Concentrations heading, delete "Logistics Concentration, Business Administration Major, PhD" and add "Supply Chain Management Concentration, Business Administration Major, PhD".

In the 2013-2014 *Graduate Catalog*, remove Logistics heading and text and replace with the following:

Supply Chain Management concentration, Business Administration Major, PhD
Minimum course requirements are SCM 611 (3), SCM 612 (3), SCM 613 (3), SCM 620 (3), SCM 621 (3), SCM 622 (3), SCM 623 (3).

The supply chain management concentration is a research-oriented doctoral program of instruction that provides perspectives and skills necessary for an academic career pursuit in the field of supply chain management. Students pursuing this major and degree will take a minimum of 45 hours of coursework (beyond that required for an MBA) covering concepts and issues in supply chain management, a support field of study, and quantitative, qualitative and analytic scholastic research methods. Additionally, students will enroll in a minimum of 24 hours of course 600 dissertation research.

Upon completion of the course work and comprehensive exams, each candidate conducts dissertation research on a unique topic in supply chain management that adds to the knowledge base of the discipline. Successful completion and defense of the dissertation qualifies the candidate to pursue academic opportunities at research-oriented or other universities.

Rationale: The Logistics program has changed to Supply Chain Management reflecting the discipline's evolution to this broader perspective. Therefore the program needs to reflect the change to Supply Chain Management in the catalog text.

REVISE TEXT – BUSINESS ADMINISTRATION MAJOR, MBA, SUPPLY CHAIN MANAGEMENT CONCENTRATION

In the 2013-2014 *Graduate Catalog*, delete the current description and replace with the following:

Minimum course requirements are SCM 520, SCM 546, and SCM 547.

Rationale: To accommodate department, program and course name changes to Supply Chain Management.

REVISE TEXT – BUSINESS ADMINISTRATION MAJOR, PHD – MARKETING CONCENTRATION

In the 2013-2014 Graduate Catalog, delete the current description under "Marketing Concentration, Business Administration Major, PhD" and replace with the following:

Minimum course requirements are MARK 611 (Theoretical Foundations), MARK 612 (Quantitative Research Methods), MARK 613 (Qualitative Research Methods), MARK 614 (Contemporary Marketing Thought I), MARK 615 (Consumer Behavior Research), MARK 616 (Measurement), and MARK 618 (Contemporary Marketing Thought II).

The marketing concentration is a research-oriented doctoral program of instruction that provides perspectives and skills necessary for an academic career in the field of marketing. Students pursuing this major and degree will take a minimum of 42 hours of coursework (beyond that required for an MBA) that covers concepts and issues in marketing, a support field of study, and both quantitative and qualitative scholastic research methods. Students must also complete a minimum of 24 dissertation research credit hours. Upon completion of the course work and comprehensive exams, each candidate conducts dissertation research on a unique topic in marketing that adds to the knowledge base of the discipline. Successful completion and defense of the dissertation qualifies the candidate to pursue academic opportunities at research-oriented or other universities.

Rationale: The current description references the former Logistics PhD concentration which is no longer offered. There is no need to reference the Supply Chain Management concentration in this description.

DEPARTMENT OF STATISTICS, OPERATIONS, AND MANAGEMENT SCIENCE

REVISE TEXT-APPLIED STATISTICAL STRATEGIES CERTIFICATE

In the 2013-2014 *Graduate Catalog*, delete all text under the heading "Applied Statistical Strategies Certificate" and replace with:

The Department of Statistics, Operations, and Management Science offers a graduate certificate in applied statistical strategies. The program is designed for the part-time student and several of the courses are offered through distance education. The 12-hour certificate is available by completing two required courses, STAT 537 and STAT 538, and two electives selected from STAT 474, STAT 567, STAT 573, STAT 575, STAT 578, and STAT 579 or other graduate statistics courses as approved by the Statistics Graduate Program Committee Chair.

COLLEGE OF COMMUNICATION AND INFORMATION

All changes effective Fall 2013

I COURSE CHANGES

COMMUNICATION AND INFORMATION

(CCI) COMMUNICATION AND INFORMATION

REVISE TO REMOVE (RE) PREREQUISITES

CCI 643 Qualitative Communication and Information Research Methods II (3)

Formerly: (RE) Prerequisite(s): 635.

CCI 644 Quantitative Communication and Information Research Methods II (3)

Formerly: (RE) Prerequisite(s): 631.

SCHOOL OF INFORMATION SCIENCES

(SIS) School of Information Sciences

DROP

INSC 540 Research Methods for Information Professionals (3)

INSC 555 Scientific and Technical Communications (3)

INSC 556 Knowledge Management for Information Professionals (3)

INSC 563 Graphic Design and Media (3)

INSC 566 Business Intelligence for Information Professionals (3)

INSC 567 Information Network Applications (3)

ADD

INSC 504 Research Methods in Information Sciences (3) Research methods in a variety of information environments; primary and secondary research; research project design; research results interpretation; analysis of published research; techniques supporting research process.
Registration Restriction(s): Minimum student level – graduate.

Rationale: Replaces INSC 540. Allows us to use the 540 series for thematically aligning courses that focus on informatics for specific areas or populations. Course name better reflects that course focuses on research methods for the discipline,

INSC 541 Knowledge Management for Information Professionals (3) Covers classic theories of knowledge and theories of first and second-generation knowledge management paradigms. Introduces related disciplines and the knowledge lifecycle, types of knowledge, organizational learning, intellectual capital, communities of practice, knowledge ecologies, knowledge audits, knowledge sharing repurposing of information, uses of information technology, and roles of information professionals in developing knowledge management initiatives.
Registration Restriction(s): Minimum student level – graduate.

INSC 544 Business Intelligence for Information Professionals (3) Principles and practices of gathering and synthesizing business intelligence: including competitive intelligence, environmental scanning, and issues management; information evaluation and synthesis; role of strategic information in modern organizations.
Registration Restriction(s): Minimum student level – graduate.

INSC 545 Scientific and Technical Communications (3) Evolution of scientific and technical communication; current trends; role of formal and informal communications; major STI organizations and their roles.
Registration Restriction(s): Minimum student level – graduate.

Rationale: 541, 542, and 545 numbers fit better in the 540 series that deals with informatics for particular populations of users or for specific information environments/domains. Impact on other units: None. Financial impact: None.

INSC 581 Information Networking Applications (3) Scholarly and community-based electronic communications. National and international standards, tools, resources; identification, analysis, evaluation, and management of tools and resources; construction of local technologies as developed and applicable.
Registration Restriction(s): Minimum student level – graduate.

Rationale: Replaces 567. Course fits better in the 580 series that focuses on applied technologies.

Equivalency Table

Current Course	Equivalent Course Effective Fall 2013
INSC 540	INSC 504
INSC 555	INSC 545
INSC 556	INSC 541
INSC 566	INSC 544
INSC 567	INSC 581

ADD

INSC 505 ePortfolio (3) Builds an environment for capstone learning experiences. Integrates core knowledge of information science and related fields to build a strong knowledge base. Develops necessary IT skills for ePortfolios. To showcase learning outcomes and professional growth. Identifies and fosters competences for career success.
Registration Restriction(s): Minimum student level – graduate.

Rationale: The course will be a required course for students taking ePortfolio options and open to all students. First offered Spring 2012 as INSC 590: Capstone for Career Success: Designing Effective ePortfolio; will be offered in Spring 2013 also as INSC 590.

INSC 522 Cataloging of Non-print Materials (3) Cataloging of all non-book materials using RDA rules and OCLC's Bibliographic Formats and Standards to create machine readable catalog records for maps, videos, recorded music, realia, graphic materials, electronic resources, continuing resources, microforms and three-dimensional artifacts.
Registration Restriction(s): Minimum student level – graduate.

Rationale: This course has been taught as a 590 and is an important addition to the organization of information curricula since there is a significant amount of non-print material that information professionals deal with. Impact on other units: None. Financial impact: None.

INSC 542 Social Informatics (3) Social consequences of information and communication technologies (ICT) at micro (e.g., personal level), meso (e.g., organizational level) and at macro level (e.g., information society studies), and applications of ICT for businesses, governments, and society are covered by the umbrella term "social informatics." It is a highly multi-disciplinary area worth exploring, since it will expose you to a range of contemporary global issues and phenomena shaped by ICT-mediated information.
Registration Restriction(s): Minimum student level – graduate.

INSC 546 Environmental Informatics (3) Focuses on the interdisciplinary field of environmental informatics. Explores collection, classification, storage, retrieval, dissemination, integration and visualization of environmental information. Reviews the role of computer technology including geographic information systems.
Registration Restriction(s): Minimum student level – graduate.

INSC 547 Health Sciences Information Centers (3) An overview of health sciences libraries, including management, collection development, reference, and current trends. Topics include the role of health sciences libraries/information specialists, relevant management and administrative issues, collection development and related matters, reference and information sources and services, consumer health and literacy, the process of evidence-based practice, and current information trends related to biomedical science.
Registration Restriction(s): Minimum student level – graduate.

INSC 548 Federal Libraries and Information Centers (3) Mission, status, and history of federal libraries and federal information center work in various settings across the three branches of government; trends in employment, government dissemination efforts, information policy, information technology, and government's impact on services in other types of libraries/information centers.
Registration Restriction(s): Minimum student level – graduate.

INSC 577 Picture Books Across the Curriculum (3) Provides guidance for selecting and using quality picture books, wordless books, graphic novels and other media for teachers and librarians. Will focus on cross-curricular with an emphasis on using these materials in traditional and nontraditional ways to enhance student learning for grades K-12.
Registration Restriction(s): Minimum student level – graduate.

INSC 592 Big Data Analytics (3) Introduces the concepts big data and data analytics as an emerging field. To address the opportunities and challenges of big data in academics, businesses, sciences, the Web, etc. To understand the nature of big data analytics and their various contexts. To master basic concepts and process of data analytics. To design analytics initiatives/proposals. To practice data mining techniques and skills (ETL). To explore data modeling and visualizing.
Registration Restriction(s): Minimum student level – graduate.

Rationale: The course was added as a part of the results from the SciData grant. First offered Fall 2012 as INSC 590.

INSC 597 Information Architecture (3) Introduces fundamental concepts, methods, and practices in information architecture for virtual space. Focuses on organization, navigation, labeling, and searching of Web sites and intranets, as well as user experience.
Registration Restriction(s): Minimum student level – graduate.

INSC 598 Web Design (3) Provides hands-on experience with creating websites using latest web site design tools and techniques as well as a theoretical insight into emerging trends and techniques. Emphasizes understanding the basics of web design, website creation and evaluation. Covers basics of usability testing and search engine optimization.
Registration Restriction(s): Minimum student level – graduate.

REVISE TO REMOVE (DE) PREREQUISITES

INSC 552 Academic Libraries (3)

INSC 553 Specialized Information Agencies and Services (3)

INSC 554 Public Library Management and Services (3)

INSC 574 Resources and Services for Adults (3)

REVISE DESCRIPTION

INSC 531 Sources and Services for the Social Sciences (3) Information sources in political science, sociology, psychology, geography, history, anthropology, business, and education. Scholarly communication of social scientists.

INSC 533 Sources and Services for the Humanities (3) Information sources in philosophy, religion, fine arts, performing arts, literature and language. Scholarly communication of humanists.

INSC 550 Management of Information Organizations (3) Supervisory, management and leadership concepts, strategies, and techniques applicable to information professionals working in libraries, archives, records management, and other information organizations.

SCHOOL OF JOURNALISM AND ELECTRONIC MEDIA

(JREM) Journalism and Electronic Media

REVISE TITLE AND DESCRIPTION

JREM 460 Advanced Television News Reporting and Producing (3) Production of daily and weekly television newscasts for The Volunteer Channel and on local television stations. Advanced course in TV news producing, reporting and anchoring. State-of-the-art converged newsroom and high definition studio are used in the production of weekly broadcasts.

REVISE DESCRIPTIONS

JREM 450 Writing about Science and Medicine (3) A writing workshop in which students analyze successful science writing and write a series of articles for the general public based on scientific journals, news conferences, technical meetings, and interviews. Satisfies General Education Requirement: (WC).
(Same as Information Sciences 450.)

JREM 451 Environmental Writing (3) Writing for the news media (including the Internet) on such environmental issues as energy, sprawl, air pollution, forests, and invasive species. Students hear presentations from and interview experts in environmental science and reporting. Exemplary environmental writing is analyzed. Satisfies General Education Requirement: (WC)

JREM 456 Science Writing as Literature (3) A survey of important science writing for the general public across the spectrum of science, engineering, and medicine. Works by authors such as Arthur C. Clarke, David Quammen, and Richard Selzer are analyzed for literary qualities in a quest to understand why some science writing succeeds. Satisfies General Education Requirement: (WC)

II. PROGRAM CHANGES

SCHOOL OF INFORMATION SCIENCES

REVISE PROGRAM DESCRIPTION AND REQUIREMENTS – INFORMATION SCIENCES MAJOR (MS)

In the 2013-14 *Graduate Catalog,* make the following revisions:

1) Remove introductory paragraph and replace with the following paragraph.

Information Sciences Major, MS
The program leading to the Master of Science degree with a major in information sciences requires 42 semester hours of graduate courses, including 3 courses required of all students. There are two non-thesis options, a comprehensive exam or an ePortfolio, or a thesis option with 6 hours required for the thesis option. At least 33 hours must be taken within the School of Information Sciences curriculum, and up to 9 hours outside of the school can be taken, including a maximum of 6 hours outside the college. No more than 6 hours may be taken from another university.

2) Under the Requirements heading - remove 2nd paragraph and replace with the following:

The faculty regards the following courses as vital to professional success – INSC 504, INSC 550, INSC 560. These courses address research, management and leadership in information organizations, and the concepts of developing and managing collections.

3) Under Individualized Curriculum Approach heading - revise the 1st and 3rd paragraphs as follows:

Individualized Curriculum Approach
Students, in consultation with their advisor, may wish to pursue a curricular focus, or pathway, to develop an individualized program of study. Graduates of the school have prepared themselves for a variety of careers, including positions as corporate information specialist, public librarian, records manager/archivist, science information specialist, webpage designer, indexer/abstractor, online information retrieval specialist, medical or law librarian, reference librarian, youth services specialist, and many others. Students are encouraged to take advantage of the individualized curricular approach.

For those pursuing Tennessee Department of Education licensure as a school library media specialist, stipulated requirements apply. See the following section.

4) Under Tennessee State Department of Education School Library Information Specialist requirements heading - revise to change the word “Information” to “Media” in the heading and text as follows:

Tennessee State Department of Education School Library Media Specialist Requirements
The Tennessee State Department of Education requires School Library Media Specialists to hold the master’s degree. The School of Information Sciences offers four tracks for school library media specialist endorsement.

5) Under Initial Endorsement for Non-Licensed Teachers with no Master’s Degree in Library or Information Sciences heading - remove current paragraph and replace with the following:

Initial Endorsement for Non-Licensed Teachers with no Master’s Degree in Library or Information Sciences
For those students who do not have the master’s degree, the requirements for initial endorsement include the three required courses plus INSC 551, INSC 560, INSC 571, INSC 572, INSC 573, INSC581, INSC 585, INSC 595 and 1 elective (upon approval of faculty advisor). In addition, students must complete two co-requisite courses from the College of Education, Health, and Human Sciences (6 credit hours) that do not count toward the master’s degree requirements. These courses are EDPY 401 and SPED 402. Students pursuing the initial endorsement must follow the non-thesis option. Upon completion of the requirements, students earn a master’s degree in information sciences and a Tennessee State Department of Education license as a School Library Media Specialist.

6) Under Initial Endorsement for Non-Licensed Teachers with a Master’s Degree in Library or Information Sciences heading - remove current paragraph and replace with the following:

Initial Endorsement for Non-Licensed Teachers with a Master’s Degree in Library or Information Sciences
For those students who hold an ALA-accredited master’s degree and have approval of the faculty advisor, the requirements are a maximum of 24 hours within the school’s program, including the required INSC 595. In addition, students must complete two co-requisite courses (EDPY 401 and SPED 402) from the College of Education, Health, and Human Sciences (6 credit hours) beyond the required 24 hours. Upon completion of the requirements, students earn a Tennessee State Department of Education license as a School Library Media Specialist.

7) Delete heading and entire section/paragraph: Additional Endorsement for Licensed Teachers with a Master's Degree

8) Under Additional Endorsement for Licensed Teachers without a Master's Degree heading - remove current paragraph and replace with the following:

Additional Endorsement for Licensed Teachers without a Master's Degree
The requirements include the three required courses plus INSC 551, INSC 571, INSC 572, INSC581, INSC 585, and INSC 596 (which must be taken twice) plus 5 electives (upon approval of the faculty advisor). Upon completion of the requirements, students will earn a master's degree in Information Sciences and a Tennessee State Department of Education additional endorsement as a School Library Media Specialist.

REVISE PROGRAM REQUIREMENTS – NON-THESIS OPTION

Under the Non-Thesis Option heading remove current paragraph and replace with the following two paragraphs.

Non-Thesis Option – Comprehensive exam
Upon completion of the program, students may elect the non-thesis option of taking and passing a written comprehensive examination. Students may take no more than a total of 12 hours from INSC 591, INSC 594, INSC 599. The number of satisfactory/no credit courses in a student's program is limited to one-fourth of the total credit hours required (10 of 42).

Non-Thesis Option – ePortfolio
Near the start of the program, students may elect the non-thesis option of building and defending an ePortfolio (more information available at https://www.sis.utk.edu/programs/eportfolio). Students may take no more than a total of 12 hours from INSC 591, INSC 594, INSC 599. The number of satisfactory/no credit hours in a student's program are limited to one-fourth of the total credit hours required (10 of 42).

COLLEGE OF EDUCATION, HEALTH, AND HUMAN SCIENCES

All items effective Fall 2013

I. COURSE CHANGES

DEPARTMENT OF CHILD AND FAMILY STUDIES

(CFS) Child and Family Studies

ADD

CFS 551 Assessment in Early Childhood Education (3) Overview of current child assessment and evaluation approaches and their connections to instructional adaptations in early childhood education (Prek-3 classrooms). This course will only be offered in the summer.

Rationale: This assessment course was piloted under CFS 580 Special Topics. This course will only be offered during the summer. Impact on other units: none. Financial impact: The same instructor (Kathy Fitzgerald) will continue to teach the course.

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY AND COUNSELING

(COUN) Counselor Education

REVISE PRIMARY COURSE TO DROP THE SECONDARY CROSS-LIST

COUN 554 Group Dynamics and Methods (3)
Cross-listed (Same as Psychology 567.)

Rationale. Accreditation mandates that core courses in a program area be taught by program faculty in that area. Cross-listing of these courses has also resulted in problems related to registration, enrollment, and room assignment. We have letters from both department heads supporting the dropping of the cross-listing.

REVISE TITLE, DESCRIPTION, AND REGISTRATION RESTRICTION

COUN 556 Clinical Mental Health Counseling and Related Professional Issues (3) Clinical mental health counseling and related professional issues such as managed care, addictions, and program development.
Registration Restriction(s): Master of Science – counseling major/clinical mental health counseling concentration.

COUN 559 Internship in Clinical Mental Health Counseling (1-6) Supervised post-practicum experience at a clinical mental health counseling setting approved by the academic unit.
Registration Restriction(s): Master of Science – counseling major/clinical mental health counseling concentration.

Rationale: Name of the concentration is changing to "clinical mental health counseling," so we are changing references to it the registration restriction.

REVISE COMMENT

COUN 555 Practicum in Counseling (3)
Comment(s): Admission to school counseling or clinical mental health counseling program required.

(EDPY) Educational Psychology

ADD

EDPY 512 Motivation in Learning (3) Key constructs and research findings related to motivation in learning over the lifespan and their application to practice in both formal and informal educational contexts.

Rationale. This course was offered as a special topics course, EDPY 504: Motivation in Learning, Fall 2011, with 18 students enrolled. The course fills a curriculum gap on this topic and will become a core course in the Educational Psychology Master's degree

REVISE TO DROP REGISTRATION PERMISSION

EDPY 521 Program Development and Operation in Adult Education (3)

(IT) Instructional Technology

DROP

IT 500 Thesis (1-15)

IT 503 Problems in Lieu of Thesis (2-3)

IT 632 Online Learning Environments (3)

IT 669 Instructional Media Research (3)

IT 670 Constructivist Perspectives in Instructional Technology (3)

SUPPORTING INFORMATION Rationale: Our newly designed online master's program no longer has a thesis option, and because a doctoral program in Instructional Technology no longer exists, we are eliminating these courses to ensure that catalog information is consistent with our program offering. Impact on other units: None.

REVISE TITLE, DESCRIPTION AND DROP RECOMMENDED BACKGROUND

IT 521 Proseminar 1: Instructional Technology as a Profession (3) Introduction to instructional technology as a field including definition of the field and career options. Additionally, participants will be introduced to visual design principles, ethical issues, and usability testing within the context of electronic media development.

REVISE TITLE AND DESCRIPTION

IT 532 Online Learning Environments (3) Theory, research and practice of designing, developing and evaluating online learning environments including distance education and blended learning approaches.

Rationale: Our newly designed online master's program including this course will be aligned with professional standards affiliated with the Association for Educational Communications and Technology and the International Society for Technology in Education. IT 532 is the first course in a sequence of three instructional technology courses that familiarize students with online learning environments.

REVISE TITLE, DESCRIPTION, AND ADD (RE) PREREQUISITE

IT 566 Understanding Online Interaction (3) Assessment and evaluation of online learning environments using data-driven techniques.
(RE) Prerequisite(s): 532.

Rationale: Our newly designed online master's program including this course will be aligned with professional standards affiliated with the Association for Educational Communications and Technology and the International Society for Technology in Education. IT 566 is the second in a sequence of three instructional technology courses that familiarize students with online learning environments.

REVISE TITLE, DESCRIPTION, AND (RE) PREREQUISITE

IT 577 Practicum in Online Learning Environments (3) Field-based project involving aspects of the instructional design process in an online learning environment with reflection on theory and practice issues.
(RE) Prerequisite(s): 532 and 566.

Rationale: Our newly designed online master's program including this course will be aligned with professional standards affiliated with the Association for Educational Communications and Technology and the International Society for Technology in Education. IT 577 is the third in a sequence of three instructional technology courses that familiarize students with online learning environments.

REVISE TITLE, DESCRIPTION, HOURS, GRADING (FROM S/NC & LETTER TO LETTER ONLY) AND DROP REPEATABILITY

IT 594 Proseminar 2: Trends and Careers in Instructional Technology (3) Capstone course for the master's program will include design, development and review of the portfolio requirement as well as discussion of current issues, trends and professional development opportunities in the field.

Formerly: Supervised Readings (1-3)
Grading Restriction: Satisfactory/No Credit or letter grade.
Repeatability: May be repeated. Maximum 12 hours.

Rationale: Our newly designed online master's program including this course will be aligned with professional standards affiliated with the Association for Educational Communications and Technology and the International Society for Technology in Education. While examining standards and redesigning our program, we identified several courses that needed updated titles and descriptions. This course is the final, capstone class in the master's program. Rather than create a new course offering, we revised an existing course that would no longer be offered as part of the program. Financial impact: None. No additional staff needed.

DEPARTMENT OF KINESIOLOGY, RECREATION, AND SPORT STUDIES

(KNS) Kinesiology

DROP SECONDARY CROSS-LISTED COURSE

KNS 623 Advanced Topics in Obesity (1-4)
Cross-listed: (See Animal Science 623.)

Rationale: Primary is dropping course as their instructor who taught course every other year has left UT. Secondary also has to drop.

ADD

KNS 624 Advanced Topics in Obesity (1-4) Recent advances and concepts, research techniques, and current problems of obesity related to nutrition and exercise sciences. Topics may include disease prevention and treatment, prevalence, etiology, metabolism, and molecular mechanisms of disease.
Repeatability: May be repeated. Maximum 6 hours.
Registration Restriction(s): Minimum student level – graduate.

Rationale: KNS is a secondary to the primary, Animal Science 623. They are dropping the course and consequently we have to drop as secondary. However, we want to continue to offer the course for our students. Impact on other units: None. Financial impact: None. Same KNS faculty member who has taught the course every other year will continue to do so.

Equivalency Table	
Current Course	Equivalent Course effective fall 2013
KNS 623	KNS 624
ANSC 623	

(RSM) Recreation and Sport Management

ADD 400-LEVEL COURSE FOR GRADUATE CREDIT

RSM 424 Recreation and Aging (3) Examines the theoretical perspectives and the aging process as well as the purpose of leisure and recreation in older adults' lives. Provides students with a foundation for providing programs and services in both community-based and long term care facilities.

REVISE TO ADD REPEATABILITY

RSM 525 Advanced Therapeutic Recreation Programming (3)
Repeatability: May be repeated. Maximum 6 hours.

(SPST) Sport Studies

REVISE DESCRIPTION

SPST 507 History of Sport in America (3) Provides an in-depth analysis of the development of sport in America and how it intersected with and was embedded in broader socio-cultural contexts. Covers developments from pre-colonial America to the recent past with an emphasis on the role of power minorities.

SPST 515 Social Theories of Sport (3) Examines a range of social and cultural theories that underpin the study of sport in society. Among the possible approaches are functionalist, conflict, critical, feminist, interactionist, post-structural, and postmodernist theories. Students will learn how the works of key social theorists have influenced research in sport studies and how these theories can be used to critically examine the culture of sport.

DEPARTMENT OF NUTRITION

(NUTR) Nutrition

REVISE TO ADD CONTACT HOUR DISTRIBUTION

NUTR 505 Nutrition Intervention in the Community (3)
Contact Hour Distribution: 2 hours lecture and 1 hour lab each week.

DEPARTMENT OF PUBLIC HEALTH

(PUBH) Public Health

REVISE TITLE AND DESCRIPTION

PUBH 510 Environmental Health Science (3) Health risks and complexities of macro and micro environments impacting population health as well as individual's health and response to a diverse and dynamic world. Principles of environmental health and potential exposures. Survey of contemporary environmental issues and their implications for healthful living.

PUBH 521 Organizational Dynamics in Health Care (3) The development of organizational theory and its effects on organizational dynamics in health care organizations in the private and public sectors. Case and problem-solving discussions, projects that demonstrate the needed skill sets.

REVISE HOURS

PUBH 580 Special Topics (1-3)

DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION

(TPTE) Theory and Practice in Teacher Education

ADD

TPTE 612 Internship in Educational Research (1-3) Data analyses, collection, and interpretation.
Grading Restriction: Satisfactory/No Credit grading only.
Repeatability: May be repeated. Maximum 9 hours.
Registration Restriction(s): Minimum student level – graduate.

Rationale: Course is needed to support engaging advanced graduate students in research; this need has been met with the use of Independent Study or Special Topics courses. The new course will be more accurate in its reflection of how students have been engaged and for what they are receiving credit.

PART II. PROGRAM CHANGES

DEPARTMENT OF CHILD AND FAMILY STUDIES

REVISE REQUIREMENTS, CHILD AND FAMILY STUDIES MAJOR, MS

In the 2013-2014 *Graduate Catalog*, remove current text and replace with the following:

The child and family studies major is comprised of the general emphasis concentration and the teacher licensure (PreK-3) concentration. The general emphasis concentration requires a minimum of 37 hours – 13 hours in foundation coursework and 24 additional hours, selected with the guidance of the student's master's committee. Requirements include 6 hours of CFS 500 for the thesis option or 6 hours of practicum in CFS 564 and CFS 565 for the non-thesis option. A project is implemented during the second semester of practicum experience (CFS 565) and is evaluated by the student's master's committee for the non-thesis option written comprehensive examination. Students seeking the MS degree with a major in child and family studies must select a master's committee chair and file a plan of study with the department head after 12 hours of graduate credit.

Requirements	**Hours Credit**
[1]Child and Family Studies Foundation Courses	13
[2]Computation-based Statistics	3
Child and Family Studies Specialization Electives	9
[3]General Electives	6
Thesis Research (CFS 500) or Practicum Experience (CFS 564 and CFS 565)	6
Total hours	**37**

[1]CFS 510, CFS 552, CFS 550, CFS 570, CFS 572.
[2]STAT 531 or STAT 537 or SOWK 605.
[3]Courses may be child and family studies prefix courses or may include courses from outside the child and family studies curriculum.

General Emphasis Concentration
Requirements
The general-emphasis concentration requires a minimum of 37 hours of course work – 13 hours in foundation course work and 24 hours in specialization. The specialization credit hours are elected with guidance of the student's master's committee. Students seeking the MS with a major in child and family studies (general emphasis concentration) must select a master's committee chair and file a plan of study with the department head after 12 hours of graduate credit.

REVISE SHOWCASE FOR THE TEACHER LICENSURE (PREK-3) CONCENTRATION

[1]Child and Family Studies Foundation Courses	9
[2]Childhood Education Core (includes licensure)	24
Math Education course (MEDU) 530	3
Total hours	36

[1] CFS 510 or CFS 550, CFS 511 or CFS 552 and CFS 512 (3)
[2] CFS 574 (2), CFS 551 (3), CFS 569 (3), CFS 591 (4), CFS 575 (12). Students complete an action research project in CFS 569.
Project in Lieu of Thesis: Action Research Project CFS 569 and 591, Written Comprehensive Exam

DEPARTMENT OF EDUCATIONAL LEADERSHIP AND POLICY STUDIES

REVISE INTRODUCTORY PARAGRAPH – EDUCATIONAL ADMINISTRATION MAJOR

In the 2013-2014 *Graduate Catalog*, revise the departmental introductory paragraph that describes the Educational Administration Major to reflect distance education delivery through distance education as follows:

EDUCATIONAL ADMINISTRATION MAJOR
Through the educational administration programs, the department prepares entry-level and executive-level administrators for schools and colleges. All masters, specialist in education, and certificate coursework will be delivered in an online format through distance education.

Rationale: In 2011 the Educational Leadership and Policy Studies Department went through the processes of securing all approvals at the departmental, college and university levels related to changing the delivery of the Educational Administration (MS, EDS, and PreK-12 Licensure Certificate) program to an online delivery (Distance Education). This move was in large part due to the drop in the number of regional students who were taking advantage of our program and the desire to serve potential students from across the state of Tennessee. We are making no changes to the courses or curriculum in any way. We are simply putting this approved program on the list of programs that are offered through Distance Education. Our goal is to put mention of the online delivery mode into the Graduate Catalog. We are simply changing the delivery mode.

REVISE HOUR REQUIREMENTS – EDUCATIONAL ADMINISTRATION (PREK-12) GRADUATE CERTIFICATE

In the 2013-2014 *Graduate Catalog*, revise the hour requirements as follows:

The Certificate in Educational Administration (PreK-12) consists of a minimum of 21 graduate hours of selected coursework. The coursework will be delivered in an online format through distance education. Students that currently hold a Master of Science or Specialist in Education degree in Education, or a related field, may apply for admission to the certificate program. Admission criteria are the same as outlined for the Master of Science degree with the Educational Administration Major. Participants will obtain the competencies required for the Tennessee Instructional Leader License - B. The curriculum for the Educational Administration (PreK-12) certificate is – EDAM 583 (3 hours), EDAM 515 (3 hours), EDAM 553 (3 hours), EDAM 554 (3 hours), EDAM 548 (3 hours), EDAM 580 (3 hours), TPTE 519 (3 hours).

Rationale: In 2011 the Educational Leadership & Policy Studies Department went through the processes of securing all approvals at the departmental, college and university levels related to changing the delivery of the Educational Administration (MS, EDS, and PreK-12 Licensure Certificate) program to an online delivery (Distance Education). We are confirming this certificate is offered through Distance Education. Our goal is to put mention of the online delivery mode into the Graduate Catalog. We are also bringing the certificate in line with the new license issued by the State of Tennessee.

REVISE PARAGRAPH TO INCLUDE ONLINE WORDING IN TEXT – EDUCATIONAL ADMINISTRATION MAJOR, MS

In the 2013-2014 *Graduate Catalog*, revise the first paragraph to include text about online delivery through distance education as follows:

The University of Tennessee's educational administration program offers a Master of Science with a major in educational administration with licensure and non-licensure alternatives. The coursework will be delivered in an online format through distance education.

Rationale: In 2011, the Educational Leadership and Policy Studies Department went through the processes of securing all approvals at the departmental, college and university levels related to changing the delivery of the Educational Administration (MS, EDS, and PreK-

12 Licensure Certificate) program to an online delivery (Distance Education). We are simply putting this approved program on the list of programs that are offered through Distance Education.

REVISE TEXT TO INCLUDE ONLINE DISTANCE WORDING – EDUCATION MAJOR, EDS – EDUCATIONAL ADMINISTRATION CONCENTRATION

In the 2013-2014 *Graduate Catalog*, revise the first paragraph to include text about online delivery through distance education as follows:

The department offers a concentration in Educational Administration under the Specialist in Education degree with a major in education. This degree is designed for individuals who already possess a master's degree in education. Exceptions may be made only by the faculty of the program to which the student is applying. This degree may be used to fulfill the course requirements for obtaining licensure as a school administrator. The coursework will be delivered in an online format through distance education.

Rationale: In 2011 the Educational Leadership and Policy Studies Department went through the processes of securing all approvals at the departmental, college and university levels related to changing the delivery of the Educational Administration (MS, EDS, and PreK-12 Licensure Certificate) program to an online delivery (Distance Education). We are making no changes to the courses or curriculum in any way. We are simply putting this approved program on the list of programs that are offered through Distance Education.

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY AND COUNSELING

▲ DROP CONCENTRATION – COUNSELING MAJOR, MS

Mental Health Counseling

▲ ADD CONCENTRATION – COUNSELING MAJOR, MS

Clinical Mental Health Counseling

REVISE TEXT – COUNSELING MAJOR, MS, CLINICAL MENTAL HEALTH COUNSELING CONCENTRATION

In the 2013-2014 *Graduate Catalog*, revise catalog text to indicate name change of concentration. Also, revise college introductory text under Accreditation heading, second paragraph, to revise name of concentration.

Counseling Major, (MS) – Clinical Mental Health Counseling Concentration
The focus of the clinical mental health counseling concentration is the preparation of excellent counselor practitioners and scholars to serve in agencies that provide counseling to adolescents, children, adults and families (such as outpatient and inpatient mental health treatment centers, programs serving troubled youth and families, residential treatment centers, drug and alcohol treatment programs, and private practices). Our graduates are self-aware counselors and scholars whose lifelong learning continually informs their service, practice, and development. Many also choose to continue their graduate studies at the doctoral level.

The clinical mental health counseling concentration at the University of Tennessee is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). The program of study includes a minimum of 1000 hours of supervised practicum and internship counseling experiences in clinical settings. Each student's plan of study is customized to support individual goals as well as to provide a common core of counselor preparation. Graduates will have completed the educational and graduate clinical preparation requirements for licensure as a professional counselor with clinical mental health service provider designation (LPC-MHSP) in Tennessee. CACREP accreditation helps ensure the portability of the degree. For example, the counselor licensure requirements of many states match the CACREP standards for Clinical Mental Health Counseling Programs.

The faculty provides rigorous, experiential, practical education, aimed at maximizing the professional and personal-development of our graduates through this 60-credit hour, 2.5 year graduate program. It is important that our graduate students learn and develop in a challenging and supportive learning community.

The goal of the program is the preparation of future counselors as:

- Strong, effective, self-aware counselors
- Persons ready to develop deeply healing therapeutic relationships
- Professionals well-skilled in the full range of task areas needed from clinical mental health counselors
- Scholars with a solid background of understanding and a personal and professional curiosity to guide their ongoing, life-long study of counseling, mental health, and human development
- Persons and professionals ready to thrive in and embrace the increasingly diverse world in which we all live and work.

Requirements	Hours Credit
COUN 480, COUN 535, COUN 551, COUN 554, COUN 555, COUN 525, COUN 552, COUN 540, COUN 559 (9 credit hours across a calendar year), COUN 556, COUN 570	39

SCHP 690 – Psychopathology course	3
EDPY 550 – Research course	3
Human development course, approved by advisement	3
Four or more electives (used to develop area of specialization and/or student research/research participation)	12
Total hours required	60

Rationale: This is essentially the same concentration as before (mental health counseling) except we have (1) adjusted the program name to match accreditation requirement, (2) revised an incorrectly listed course, and (3) improved wording for clarity.

- ADD GRADUATE CERTIFICATE – ONLINE TEACHING AND LEARNING

In the 2013-2014 *Graduate Catalog*, add heading and text for new certificate.

Online Teaching and Learning Graduate Certificate
The 15-hour graduate certificate in online teaching and learning is intended for currently admitted graduate students seeking to develop skills necessary for designing, developing, and teaching online courses in various contexts such as higher education, corporate, K-12 education, and military settings. All courses in this graduate certificate program are delivered online through Distance Education. Students currently enrolled in many of the graduate programs on our campus are seeking to gain experience designing, developing, and teaching online courses. A certificate in online teaching and learning will offer students a way to group the courses they are already taking so that they can present their skills to future employers in a way that is easily recognized. This certificate will also further prepare students to be able to apply their skills and practical experiences they gain from our courses in future development of online courses. Certificate candidates must currently be admitted to a graduate program at the university or hold a terminal degree and be admitted to the graduate school. All 15 credits of coursework must be completed at the University of Tennessee within five years of applying for a certificate. A 3.5 GPA must be earned across all certificate courses. All required courses are listed below.

Requirements:
IT 570
IT 532
IT 566
IT 573
IT 577

Rationale: Certificate will benefit students seeking faculty positions in higher education, K-12 teachers who are required to teach online, and adult educators in other settings who need experience designing, developing, and implementing online courses. In the field of education it has become commonplace for institutions to require or desire that newly hired faculty, teachers, and trainers have experience with online teaching/training. This certificate will provide students with the necessary design background and practicum experience designing and evaluating their own online courses. Faculty in Instructional Technology currently offer all of the courses required to obtain this certificate. No new courses are being proposed for inclusion in certificate requirements.

REVISE REQUIREMENTS TO DROP THESIS OPTION, EDUCATION MAJOR, MS (INSTRUCTIONAL TECHNOLOGY CONCENTRATION)

In the 2013-2014 *Graduate Catalog*, revise text to remove the thesis option and to revise the non-thesis option requirements.

The department offers a concentration in Instructional Technology under the Master of Science degree with a major in Education. All courses for this degree are offered online through Distance Education. The degree prepares students to design, develop, implement, and evaluate online learning environments. These skills will be desirable in a variety of contexts such as education, corporate, government, and nonprofit organizations. For more information please visit http://itonline.utk.edu.

Instructional Technology Concentration

	Hours
Foundations	3
Concentration core	24
Elective	3
Research	3
Total hours	33

Rationale: Our online master's program was newly designed to align with professional standards affiliated with the Association for Educational Communications and Technology and the International Society for Technology in Education. This program change reflects this new design. Financial impact: None.

REVISE REQUIREMENTS AND CATALOG TEXT – EDUCATIONAL PSYCHOLOGY MAJOR, MS
AND REVISE TEXT FOR ADULT EDUCATION CONCENTRATION AND APPLIED EDUCATIONAL PSYCHOLOGY CONCENTRATION

In 2013-2014 *Graduate Catalog***,** delete the existing text and showcase that describes the major and concentrations and replace it with the following:

Educational Psychology Major, MS
Distance Education Program: EdPsych Online
The Educational Psychology Distance Education Program, EdPsych Online, is designed for professionals working in school settings, colleges and universities, and business and government as well as those preparing for work in these and related areas. All courses for this degree are offered online through Distance Education. The faculty members in the Department of Educational Psychology and Counseling are committed to the creation and study of environments that enhance learning potential and promote lifelong learning for people of all ages, abilities, and backgrounds. The program requires 36 hours of non-thesis coursework and a comprehensive examination.

Students take 24 hours of core courses and choose from two concentrations for 12 additional hours in either Adult Education or Applied Educational Psychology. The degree can be completed in two years by taking two online courses per semester fall, spring and summer semesters. For additional information visit the following websites:

http://web.utk.edu/~edpsych/EdPsychOnline/default.html
http://web.utk.edu/~edpsych/adult_ed/ms_dist_ed_courses.html
http://web.utk.edu/~edpsych/aep_de/courses.html

Core Courses (24 hours)
EDPY 504 Motivation in Learning
EDPY 506 Introduction to Educational Research Foundations
EDPY 507 Survey of Educational Psychology
EDPY 513 Reflective Practice
EDPY 521 Program Development and Operations
EDPY 525 Adult Learning
EDPY 573 Meeting Needs of Nontraditional and Underachieving Learners
EDPY 574 Facilitating Group Change in Educational Settings

Adult Education Concentration
Adult Education focuses on the advanced educational needs of professionals who work with adults in a host of settings. The concentration includes coursework in such areas as adult learning and development, program planning, reflective practice, professional issues in adult education, research, and teaching adults. Emphasis is on the development of reflective practitioners who actively participate in leadership and service to promote adult learning in a global community. This concentration may be used as a stepping stone for doctoral study in adult education, adult learning, or related areas.

Adult Education Concentration Courses (12 hours)
EDPY 520 Survey of Adult Education
EDPY 522 Adult Development
EDPY 527 Ethical Issues in Adult Education
EDPY 524 Learning in the Workplace

Applied Educational Psychology Concentration
Applied Educational Psychology focuses on concepts, principles, techniques, and models of educational psychology as they are used to facilitate teaching and learning and the creation of effective classroom environments for learners of all ages. The concentration includes traditional themes in educational psychology (e.g., human development, learning principles, assessment, and psychoeducational intervention). The concentration may be used as a stepping stone for entering a doctoral program in educational or school psychology or as an additional preparation for functioning in an educational role in schools, mental health centers, and business programs devoted to personal and professional development.

Applied Educational Psychology Concentration Courses (12 hours)
EDPY 510 Psychological Theories of Human Development Applied to Education
EDPY 572 Theories of Learning in Applied Educational Psychology
COUN 525 Formal Measurement
IT course (students select a relevant graduate level course offered online by the IT faculty with approval from advisor)

Rationale. New interactive technology provides a high quality learning experience for students who are unable to participate in on-campus programs. Our marketing survey revealed a need for an Educational Psychology distance education program in both the Adult Education and Applied Educational Psychology concentrations. The list of courses was selected from the original options in this major, based on courses being offered online. Financial Impact: consistent with UTK policy, the distance education program will generate additional financial resources for the program to ensure high quality instruction. The resources are typically used to fund adjunct staff to teach course sections, faculty and student travel, and instructional materials in the program area.

DEPARTMENT OF KINESIOLOGY, RECREATION, AND SPORT STUDIES

REVISE REQUIREMENTS DUAL MS-MBA, RECREATION AND SPORT MANAGEMENT

In the 2013-2014 *Graduate Catalog*, revise the spring first year, session 2 requirements to remove the course number RSM 554 and replace with "RSM Elective".

REVISE REQUIREMENTS – EXERCISE PHYSIOLOGY MINOR

In the 2013-2014 *Graduate Catalog*, remove course KNS 602 and replace it with KNS 661.

DEPARTMENT OF NUTRITION

REVISE REQUIREMENTS - NUTRITION MAJOR, MS (THESIS AND NON-THESIS OPTIONS)

In the 2013-2014 *Graduate Catalog*, revise thesis option, first bullet as follows:

- Cellular and molecular nutrition students must take NUTR 412 or NUTR 505, NUTR 511, NUTR 512, NUTR 543 and NUTR 545, 3 hours of graduate-level statistics, LFSC 520, BCMB 440 and ANSC 550, (or appropriate substitutions, as identified by faculty advisor), and 6-7 additional hours in Nutrition or in a cognate area outside the department.

In the 2013-2014 *Graduate Catalog*, non-thesis option, revise first sentence, to decrease hours in the department from 38 to 35 as follows:

The program consists of a minimum of 47 hours with at least 35 hours of coursework in the department.

Rationale: Modifications include an increase in options for Master's level CMN students, as agreed-upon by the CMN faculty upon review of multiple syllabi, as well as correcting the minimal departmental coursework hours required by non-thesis students. Impact: Strengthened, competency-based curricula within the CMN concentration. Financial impact: None.

REVISE REQUIREMENTS – DUAL MS-MPH PROGRAM - NUTRITION

In the 2013-2014 *Graduate Catalog*, under the requirements heading, revise the second sentence of first paragraph as follows:

All candidates for the dual degree must successfully complete PUBH 510, PUBH 537, and PUBH 555; 2 hours (1 hour each) or PUBH 509 and NUTR 509; and a minimum of 64-67 hours of coursework (depending on the program of interest).

REVISE REQUIREMENTS - NUTRITIONAL SCIENCES MAJOR, PHD

In the 2013-2014 *Graduate Catalog*, under coursework heading, revise the second bullet as follows:

- Cellular and Molecular Nutrition concentration: LFSC 520, BCMB 440, and ANSC 550 (or appropriate substitutions, as identified by faculty advisor).

SUPPORTING INFORMATION: These modifications include an increase in options for Master's level CMN students, as agreed-upon by the CMN faculty upon review of multiple syllabi. Financial Impact: None.

DEPARTMENT OF PUBLIC HEALTH

▲ DROP CONCENTRATION – PUBLIC HEALTH MAJOR, MPH

Health planning/administration

▲ ADD CONCENTRATION – PUBLIC HEALTH MAJOR, MPH

Health policy and management

In the 2013-2014 *Graduate Catalog*, Public Health Major, MPH, remove the dropped concentration and replace with the new concentration name in the following areas:

1) Admission heading, 5th paragraph
2) Requirements heading, item 2 and footnote 2

	Hours
1 Public Health Foundations	20
2 Concentration of Study (Community Health Education, Health Policy and Management, or Veterinary Public Health)	10

3 Electives	6
4 Internship	6
	Total hours 42

Health Policy and Management: PUBH 521, PUBH 525, PUBH 527.

ADD DUAL JD-MPH PROGRAM – PUBLIC HEALTH (HEALTH POLICY AND MANAGEMENT CONCENTRATION)

In the 2013-2014 *Graduate Catalog***,** add heading and text for the dual JD-MPH program

Dual JD-MPH Program – Public Health major, Health Policy and Management concentration
The College of Law and the Department of Public Health (College of Education, Health, and Human Sciences) offer a dual-degree program that reflects the interrelationship between the legal system and the protection and promotion of the public's health. In particular, the program emphasizes the role that policy, public and private, plays in creating the conditions in which people can be healthy.

Typically, the Juris Doctor (JD) degree requires a minimum of 89 semester credit hours and is completed in three years of full-time study. The Master of Public Health (MPH) degree requires 42 semester credit hours and can be completed in two to three years, depending on full-time or part-time study. The dual-degree program offers students the opportunity to pursue both degrees simultaneously and to complete all requirements in four years, rather than in the longer period required to obtain each degree independently. Students pursuing the dual degree should plan to be enrolled in course work or an internship for 1-3 summer terms in addition to taking normal course loads for four academic years.

By combining the programs, students develop specialized knowledge in public health-related legal issues while retaining the flexibility of professional training in the broad disciplines of law and public health. For example, a graduate of the dual-degree program may work as a public health professional with an acute awareness of legal and policy issues, while another may work as an attorney focusing his or her practice on health care issues. Yet others may go on to teach at schools of law or public health.

The Health Policy and Management (HPM) concentration of the Public Health Major, MPH degree provides students with the skills necessary to manage an array of human, capital, and material resources and to provide leadership within a guiding framework of established organizational goals to achieve positive outcomes related to health. In addition, HPM students develop the ability to understand policy formulation and policy impacts, a necessary skill for health managers and policy planners seeking to address important issues, such as access to care, quality improvement and assurance, cost containment, and partnerships with others to improve the health of the public.

Admission
To be admitted to the dual-degree program, an applicant must have received a baccalaureate-level degree. The applicant must also apply and be admitted separately to the College of Law, the Graduate School, and the MPH Program.

For purposes of admission to the JD-MPH dual-degree program, the applicant only needs to take the LSAT (Law School Admission Test), but must submit the test scores to the College of Law, the Graduate School, and the MPH Program. Applicants are welcome to submit their GRE scores if they so wish.

Requirements
- All students are expected to be full-time students. A student may not work in excess of 20 hours per week while attending school on a full-time basis.
- Students are required to complete a minimum of 89 semester credit hours for the JD degree and 42 semester credit hours for the MPH degree.
- During the first year of study, students will be solely enrolled in the prescribed curriculum for the College of Law.
- The College of Law will accept nine hours from approved Public Health courses as electives and the Department of Public Health will accept six hours from approved Law courses as electives.
- The required MPH Field Practice requirement (Public Health 587, 588) may be fulfilled by placement in an approved legal or community organization.

Dual degree students who withdraw from the program before completion of the requirements for both degrees will not receive credit toward either the JD or the MPH for courses taken in the other program, except as such courses qualify for credit without regard to the dual-degree program.

Awarding of Grades
For grade recording purposes in the College of Law and the Department of Public Health, grades awarded in courses in the other unit will be converted to either Satisfactory/No Credit and will not be computed in determining a student's GPA or class standing. The College of Law will award a grade of Satisfactory for an approved Public Health course in which the student earns a grade of B or higher and a grade of No Credit for any lower grade. The Public Health Department will award a grade of Satisfactory for an approved law course in which the student earns a grade of 2.7 or higher on a 4.3 scale and a grade of No Credit for any lower grade. The official academic record of the student maintained by the Office of the University Registrar shall show the actual grade assigned by the instructor without conversion.

Different rules apply to students enrolled in the dual JD-MPH, JD-MBA, or JD-MPA Programs. Grades must be earned according to the grading system of the respective college, e.g. numerical grades for law courses but letter grades for graduate courses. Refer to the grading policy of the College of Law and the Department of Public Health, respectively, for

the grading scale acceptable toward meeting degree requirements. Cumulative GPA for law courses only will be carried until graduation, at which time both graduate and law cumulative GPAs will be shown on the student's permanent record.

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JD-MPH PROGRAM – Public Health major, Health Policy and Management concentration

First Year	Credit Hours
LAW 801	3
LAW 802	3
LAW 803	3
LAW 804	3
LAW 805	3
LAW 806	3
LAW 807	3
LAW 808	3
LAW 809	3
LAW 810	4
Second Year	
PUBH 510*	3
PUBH 520*	3
PUBH 527	4
PUBH 530	3
PUBH 540	3
LAW 812	4
LAW 814	3
LAW Electives**	6
Third Year	
PUBH 521	3
PUBH 525	3
PUBH 537	3
PUBH 555*	3
PUBH 587	3
LAW Electives**	12
Fourth Year	
LAW Electives**	24
	Total hours 111

* Approved by the College of Law for credit toward the JD degree (PUBH 510, 520, and 555).
** Select at least 6 credit hours from courses approved by the Department of Public Health for credit toward the MPH degree.

Law Courses Approved as Electives for the MPH Degree
Students must plan carefully when selecting electives that count toward the MPH degree (a total of six credit hours), as these electives may not be offered every year. Additional electives may also be selected with approval of the College of Law advisor and the MPH Program Director.

LAW 821 - Administrative Law (3)
LAW 822 - Legislation (3)
LAW 862 - Family Law (3)
LAW 863 - Children and the Law (3)
LAW 866 - Environmental Law and Policy (3)
LAW 896 - Law of the Workplace (3)
LAW 957 - Law, Science and Technology (3)
LAW 962 - Law and Medicine (2)
LAW 963 - Health Care Law and Regulation (3)
LAW 964 - Health Care Policy (2)

SUPPORTING INFORMATION Rationale: Adding this dual degree is needed to meet the demand for education on the interrelationship between the legal system and the protection and promotion of the public's health. The external recognition among professionals in the disciplines of health and law of the value of cross-training in both disciplines has given rise to internal demand for such training. In particular, the program trains student to understand and utilize policy, public and private in creating the conditions in which people can be healthy.
Impact on Department of Public Health: All students pursuing the JD-MPH degree will have been admitted to the Graduate School and to the MPH Program through the respective admission processes. These students will complete the requirement for the Health Policy and Management concentration. The Department of Public Health already accepts 6 credit hours of elective courses from other graduate programs, the College of Law in this case, toward the MPH degree. No additional capacity from the Department of Public Health is required to establish the dual program.
Impact on Other Units: Only the College of Law is impacted. All students pursuing the dual JD-MPH degree will have been admitted to the College of Law through its normal admission process. The College of Law is able to accept 9 credit hours from public health courses toward the JD degree. No additional capacity from the College of Law is required to establish the dual program.
Financial Impact: There is no financial impact on either the Department of Public Health or the College of Law. No new courses are added or cross-listed. See preceding explanation of Impact.

REVISE REQUIREMENTS - DUAL MS-MPH PROGRAM - PUBLIC HEALTH

In the 2013-2014 *Graduate Catalog*, under the requirements heading, revise the second sentence of the first paragraph as follows:

All candidates for the dual degree must successfully complete PUBH 510, PUBH 537, and PUBH 555; 2 hours (1 hour each) or PUBH 509 and NUTR 509; and a minimum of 64-67 hours of coursework (depending on the program of interest).

SUPPORTING INFORMATION: Rationale: These modifications more accurately reflect the number of coursework hours included in the Dual degree. Impact: Further clarification of requirements. Nutrition has made the same change. Financial impact: None.

COLLEGE OF ENGINEERING

All changes effective Fall 2013

I. COURSE CHANGES

DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING

(CBE) Chemical and Biomolecular Engineering

REVISE PRIMARY COURSE TO ADD THREE ADDITIONAL SECONDARY CROSS-LISTINGS

CBE 529 Application of Linear Algebra in Engineering Systems (3)
Cross-listed: (Same as Biomedical Engineering 529; Civil Engineering 529, Electrical and Computer Engineering 529; Environmental Engineering 529; Industrial Engineering 529; Materials Science and Engineering 529; Mechanical Engineering 529; Nuclear Engineering 529).

REVISE TITLE, DESCRIPTION, AND REMOVE (DE)PREREQUISITE

CBE 532 Statistical Thermodynamics (3) Canonical, grand canonical, isothermal/isobaric, and microcanonical ensembles; method of most probable distribution; ensemble averages; thermodynamic connections; fluctuations; Boltzmann, Fermi-Dirac, and Bose-Einstein statistics; ideal monoatomic, diatomic, and polyatomic gases; classical statistical mechanics; chemical equilibria; transition state theory.

CBE 631 Statistical Mechanics (3) Theoretical foundations of classical statistical mechanics; Liouville's theorem, the Liouville equation, time correlation functions, molecular simulations, Langevin equations, theory of liquids.

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

(CE) Civil Engineering

ADD

CE 547 Design of Railway Transportation Systems (3) Basic principles of rail way transportation, track behavior and design, geometric design of railway lines and terminals, train performance, railway signaling and communications, capacity and operations analysis.
Registration Restriction(s): Minimum student level – graduate.
Registration Permission: With consent of instructor, upper UG students may receive permission.

CE 549 Air Transportation (3) Nature of civil aviation; structure of the airline industry; aircraft characteristics and performance; navigation and air traffic control; airline operations; aviation system planning; aviation emergency management.
(DE)Prerequisite: 551.

CE 555 Transportation Systems Analysis (3) The systems approach and its application to transportation planning and engineering. Production functions and cost minimization. Utility theory and demand modeling. Transportation network analysis and equilibrium assignment. Decision analysis and evaluation of transportation projects.
Registration Restriction(s): Minimum student level – graduate.
Registration Permission: With consent of instructor, upper UG students may receive permission.

CE 630 Constitutive Behavior of Geomaterials (3) Stress and strain tensors, ideal elastic behavior, stress paths, soil plasticity and failure criteria including one parameter and two parameters models, critical state soil mechanics, modified Cam clay model, stress-dilatancy theory.
(DE)Prerequisite: 430 and 530.
Registration Restriction(s): Minimum student level – graduate.

CE 632 Advanced Laboratory and In Situ Testing of Soil (3) Data acquisition and control systems, instruments for measuring electric signals, transducers and sensors, insitu measurements of strain, earth pressure, pore pressure, temperature, deformation, load-deformation behavior (static and seismic methods), 1D and CRS consolidation, swelling pressure and percent free swell, measurement of hydraulic conductivity using flexible wall permeameter, UU and CU triaxial (isotropic and Ko-consolidation), CPT, SPT, pressuremeter, vane shear test, dilatometer.
Contact Hour Distribution: 1 hour and 2 hours lab.
(DE)Prerequisite: 430.
Registration Restriction(s): Minimum student level – graduate.

CE 633 Soil and Structural Dynamics (3) Vibration of elementary systems in time and frequency domain considering multi-degrees of freedom system of damped and undamped cases. Foundation vibration theory based on coupled oscillations and related design considerations. Wave propagation theory and layered media. Response of a site/structure/system to dynamic loading and soil liquefaction.
(DE)Prerequisite: 430.
Registration Restriction(s): Minimum student level – graduate.

CE 634 Engineering Soil Characteristics and Behavior (3) Nature of soils and its influence on soil behavior. Soil composition, particle characteristics, characteristics of particulate media, the influence of a polar fluid, conduction and diffusion phenomena, volume change behavior, strength/deformation behavior, and applications of physico-chemical principles in soil engineering.
(DE)Prerequisite: 331.
Registration Restriction(s): Minimum student level – graduate.

DROP

CE 631 Soil Dynamics (3)

Rationale: Being replaced with 633 to also include interaction with structures. Impact on other Units: None. Financial impact: None.

ADD AS SECONDARY CROSS LISTED COURSE

CE 529 Application of Linear Algebra in Engineering Systems (3)
Cross-listed: (See Chemical and Biomolecular Engineering 529).

REVISE DESCRIPTION, ADD (DE) PREREQUISITE(S), AND REMOVE RECOMMENDED BACKGROUND

CE 530 Advanced Soil Mechanics and Slope Stability (3) Implications of surface charge for fine-grained soils. Force balance and effective stress. Stresses in a soil mass, stress paths, stress-strain relationships, Rankine earth pressures, and retaining walls. Capillarity, unsaturated soil, one- and two-dimensional flow, consolidation theory, drained and undrained behavior. Infinite slopes, non-circular failure surfaces, limiting equilibrium methods for evaluating stability of soil slopes, and selection of strength parameters.
(DE) Prerequisite(s): 430.

CE 535 Advanced Foundations and Retaining Structures (3) Site investigation and characterization, analysis and design of deep foundations, sheet piles, retaining structures for bridge abutments and deep excavation, and deep foundations in rock and liquefiable soils. Approaches include allowable working stress, load and resistance factor design, and the use of modern numerical modeling tools.
(DE) Prerequisite(s) 430.

REVISE TITLE AND ADD REGISTRATION PERMISSION

CE 556 Traffic Crash Reconstruction and Analysis (3)
Registration Permission: With consent of instructor, upper UG students may receive permission.

(ENVE) Environmental Engineering

ADD AS SECONDARY CROSS LISTED COURSE

ENVE 529 Application of Linear Algebra in Engineering Systems (3)
Cross-listed: (See Chemical and Biomolecular Engineering 529).

DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

(COSC) Computer Science

ADD

COSC 505 Introduction to Programming for Scientists and Engineers (3) Introduce programming and computational science and engineering to graduate students in the sciences and engineering. Problem solving and algorithm development. Might use various programming languages such as C++, Python or others as needed.
Comment(s): EECS majors cannot use course to meet degree requirements.
Registration Restriction: Minimum student level – graduate.

(ECE) Electrical and Computer Engineering

ADD

ECE 620 Ultra-Wide-Area Resilient Electrical Energy Transmission Networks (3) Will include ultra-wide-area monitoring, measurement, situational awareness analysis, visualization, actuation and control; modeling, simulation and fast computation for power system analysis; power system state estimation and prediction; transmission network architecture; multi-level flat control architecture; market effect and social impact of energy issues; communication and cyber security; large-scale system test bed; and hardware test bed.
(RE)Prerequisite(s): 521 or 523 or consent of instructor.
Registration Restriction(s): Minimum student level – graduate.

ECE 627 Wide Area Synchronous Measurements and Applications (3) Covers a broad range of topics in electric power wide area synchronous measurements and applications. Students will learn fundamental concepts in synchronous measurements, current industrial applications, and the state of the art of the power system wide area measurements research. Upon completion of this course, students will understand the latest development in the area, be ready to work in the related field in power utilities, and to carry out researches in power grid operations and control.
(RE)Prerequisite(s): 521 or consent of instructor.
Registration Restriction(s): Minimum student level – graduate.

ECE 628 Power System Transients (3) Major focus of course is to train students to effectively simulate electric transients using tools like EMTDC/PSCAD in power systems; and to provide students the ability to analyze electric transients in power system circuits and applications. It is expected that students will understand how to approach power system disturbance and oscillation analysis through examples and projects. Projects will be based on EMTDC/PSCAD simulations or equivalent.
(RE)Prerequisite(s): 521 or consent of instructor.
Registration Restriction(s): Minimum student level – graduate.

ECE 635 Advanced Semiconductor Devices (3) In-depth coverage of device physics and broad overview of advanced semiconductor device concepts. Review of basic quantum mechanics; crystal structures, band structures, band structure modification by alloys, heterostructures, and strain; carrier statistics; and scattering, defects, phonons, mobility, transport in heterostructures. Device concepts to be covered are: MOSFETs, MESFETs, MODFETs, TFTs; heterojunction bipolar transistors (HBTs); and photodiodes, LEDs, and semiconductor lasers. Semiconductor processing will be briefly reviewed. Nanoelectronics will be introduced.
(RE)Prerequisite(s): 531 or consent of instructor.
Registration Restriction(s): Minimum student level – graduate.

DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

■ INFORMATIONAL ITEM: DEPARTMENT NAME CHANGE

DEPARTMENT OF INDUSTRIAL AND INFORMATION ENGINEERING IS CHANGING TO: DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

THE UNIVERSITY of TENNESSEE UT KNOXVILLE

COPY

Office of the Chancellor
527 Andy Holt Tower
Knoxville, TN 37996
Phone: 865-974-3265
865-974-4811

TO: Katie High
Interim Vice President for Academic Affairs

FROM: Jimmy G. Cheek
Chancellor

DATE: June 20, 2012

RE: Support for Departmental Name Change

Attached is a copy of a request for a change in name for the Department of Industrial and Information Engineering in the College of Engineering to the Department of Industrial and Systems Engineering. I concur with the stated reasons, and I support the request for this name change.

If you have any questions, or need additional information, please contact me.

cc: Dean Wayne Davis
Provost Susan Martin
Dr. Rupy Sawhney

(IE) Industrial Engineering

REVISE DESCRIPTION

IE 517 Reliability of Lean Systems (3) Course is divided into two major components. First half of the course will focus on introducing the students to the concepts of reliability and maintainability and the impact of lean on the reliability of complex systems. The concepts of reliability engineering are utilized to address lean system failures, including equipment failures, human failures, material failures and scheduling failures. Will develop the ability to design systems that are both lean and reliable. The second half of the course will introduce students to specific case studies of systems failures and ask student to develop solutions by considering different dimensions including financial, technical feasibility, risk, safety, security and others. Multi criteria decision making methodologies will be presented to allow students to make decisions when different criteria lead to conflicting solutions.

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

(MSE) Materials Science and Engineering

REVISE PRIMARY TO ADD SECONDARY CROSS LIST

MSE 571 Ion Beam Analysis of Materials (3)
Cross-listed: (Same as: Nuclear Engineering 544.)

DEPARTMENT OF MECHANICAL, AEROSPACE, AND BIOMEDICAL ENGINEERING

(ME) Mechanical Engineering

REVISE TO ADD REPEATABILITY

ME 678 Advanced Topics in Fuel Cells and Electrochemical Power Systems (3)
Repeatability: May be repeated. Maximum 9 hours.

DEPARTMENT OF NUCLEAR ENGINEERING

(NE) Nuclear Engineering

ADD AS SECONDARY CROSS LISTED COURSES

NE 529 Application of Linear Algebra in Engineering Systems (3)
Cross-listed: (See Chemical and Biomolecular Engineering 529.)

NE 544 Ion Beam Analysis of Materials (3)
Cross-listed: (See Materials Science and Engineering 571.)

ADD

NE 531 Global Nuclear Security Culture (3) Principles and best practices in nuclear security, nuclear safety, and nuclear materials safeguards ("3S") culture with an emphasis on developing and expanding nuclear power-producing states. Introduction to relevant international conventions and agreements such as the Nonproliferation Treaty, the role of the International Atomic Energy Agency, and the key milestones for nations seeking to develop a peaceful nuclear power program.

NE 533 Physical Security for High-Consequence Facilities (3) Design criteria and performance basis that make up a physical security program for high-consequence and critical environments. Introduction to security design and engineering technology forming the basis behind detection, delay, and response elements of security systems. Elements of risk, system evaluation, site and security surveys, and the legal basis for protection. Evaluative methodologies common to academia and industry will be applied.

NE 534 Physical Security Vulnerability Assessment (3) Evaluation of threat basis, facility characterization, and asset determination. Students will engage in field surveys, perform interviews, and gather open-source information which provides the background information necessary to evaluate system effectiveness from a quantitative perspective. Evaluative and analytical approaches necessary to perform physical security vulnerability assessments and development of models designed to predict effectiveness of systems.

NE 536 Export Control and Nonproliferation (3) Principles and regulatory frameworks for controlling sensitive nuclear technology. US and European export control regulations and governance, international export control and nonproliferation considerations for nuclear technology trade in the global context. Best practices resources such as the International Atomic Energy Agency, the Nuclear Supplier Group, and other organizations. Case studies in export control violations relevant to nuclear proliferation.

NE 537 Human Reliability in Nuclear Systems (3) Methodology for assessing and managing human reliability factors in nuclear systems. Issues in human reliability and human sources of error in nuclear systems performance. Indicators and issues in identifying and minimizing the impact of human actions (accidental or deliberate) adverse to successful operation in nuclear systems and nuclear materials security.

NE 635 Nuclear Forensics (3) Introduction to nuclear forensics. Principles of isotopic signatures and their origins, ultra-trace radiochemical separations, and isotope measurements via nuclear counting and mass spectrometry. Forensic assessment methods for nuclear materials and post-detonation debris analysis. Applications of nuclear forensics in interdicted materials and crisis response scenarios.
Registration Restriction(s): Minimum student level – graduate.

REVISE TITLE

NE 521 Nuclear Reactor Dynamics, Instrumentation, and Controls (3)

REVISE TO DROP REGISTRATION PERMISSION

NE 640 Nuclear Cross Section Modeling (3)

REVISE TO DROP (RE) PREREQUISITE

NE 641 Charged Particle Transport Methods (3)

II. PROGRAM CHANGES

INTERDEPARTMENTAL

▲ DROP CONCENTRATIONS – ENGINEERING SCIENCE MAJOR, MS

Applied Mechanics concentration
Systems and Controls concentration
Thermal Fluid Mechanics concentration

▲ DROP CONCENTRATIONS – ENGINEERING SCIENCE MAJOR, PHD

Applied Mechanics concentration
Systems and Controls concentration
Thermal Fluid Mechanics concentration

▲ ADD CONCENTRATIONS – ENGINEERING SCIENCE MAJOR, MS

Aerospace Engineering concentration
Biomedical Engineering concentration
Civil Engineering concentration
Environmental Engineering concentration
Mechanical Engineering concentration

▲ ADD CONCENTRATIONS – ENGINEERING SCIENCE MAJOR, PHD

Aerospace Engineering concentration
Biomedical Engineering concentration
Civil Engineering concentration
Environmental Engineering concentration
Mechanical Engineering concentration

Rationale: As this is now an interdepartmental major and degree, the drop removes the concentration names from when they were under the Dept. The Add clarifies concentrations are associated to the Dept's. Impact on other units: None. Financial impact: None.

DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

● ADD GRADUATE CERTIFICATE: POWER AND ENERGY SYSTEMS

In the 2013-2014 *Graduate Catalog*, add heading and text for new certificate.

Power and Energy Systems Graduate Certificate
The graduate certificate in power and energy systems is intended for currently admitted graduate students in electrical engineering and computer science. The program consists of a minimum of 18 hours with a minimum grade of B in each course. The requirements include:

1) Required course: ECE 620 Ultra-Wide-Area Resilient Electrical Energy Transmission Networks (3 hours).
2) Technical concentration at least four courses selected from the following (12 hours):
ECE 511 Linear Systems Theory, ECE 512 Multivariable Linear Control System Design, ECE 521 Power Systems Analysis I, ECE 522 Power Systems Analysis II, ECE 523 Power Electronics and Drives, ECE 525 Alternative Energy Sources, ECE 619 Application of Constrained Optimization, ECE 621 Computational Methods for Power System Analysis, ECE 622 Power System Economics, ECE 623 Advanced Power Electronics and Drives, ECE 625 Utility Applications of Power Electronics, ECE 626 Solid State Power Semiconductors, ECE 627 Wide Area Synchronous Measurements and Applications, ECE 628 Power System Transients, ECE 631 Advanced Topics in Mixed-Signal Integrated Circuit Design, ECE 642 Wireless Communications,
3) One entrepreneurship, economics and innovation course (3 hours) selected from: ME 519 Technology Product Development and Entrepreneurship, or IE 518 Advanced Engineering Economic Analysis.

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

▲ ADD CONCENTRATION – MATERIALS SCIENCE AND ENGINEERING MAJOR, PHD

Biomaterials concentration

DEPARTMENT OF NUCLEAR ENGINEERING

REVISE REQUIREMENTS - NUCLEAR ENGINEERING MAJOR, MS

In the 2013-2014 *Graduate Catalog*, under the Requirements heading revise text in two areas:

1) remove 4th bullet and all text and replace with new bullet and revised text.

- One of the following three options for a culminating experience.

  Option 1 – a thesis project (6 hours of NE 500).
  Option 2 – two to four engineering practice projects (6 hours of NE 598).
  Option 3 – one engineering practice project (3 hours of NE 598) plus 3 hours of additional nuclear engineering course work.

Rationale: The former option 4 (no thesis option) was rarely, if ever, used. Our faculty has decided that a written thesis or engineering practice project should be a requirement for the MS NE. Impact on other units: None. Financial impact: None.

2) last paragraph. Remove the word "synchronously" from the sentence.

REVISE REQUIREMENTS - NUCLEAR ENGINEERING MAJOR, PHD

In the 2013-2014 *Graduate Catalog*, under the Requirements heading replace the 5 bullet items, with these 6 bullet items:

- A minimum of 48 hours beyond the bachelor's degree, exclusive of credit for the MS thesis or nuclear engineering practice.
- A candidate for a doctoral degree must complete a minimum of 24 hours of graduate course work beyond the master's degree, which is a prerequisite for entry into most doctoral programs.
- A minimum of 24 hours in doctoral research, NE 600.
- A minimum of 30 hours in nuclear engineering courses numbered 500 and above (or the equivalent), with at least 6 hours of 600-level courses. These are exclusive of thesis or dissertation credit. Three of the 6 hours of 600-level courses can be from a department other than nuclear engineering, provided the selection supports the student's research area.
- A minimum of 12 hours in mathematics, statistics, nuclear engineering, or other courses related to nuclear engineering beyond nuclear engineering undergraduate requirements numbered 400 or above.
- A minimum of 6 hours in courses numbered 500 or above from a department other than nuclear engineering. The choice depends on the student's overall program and should expand his/her knowledge in a given field.

Rationale: This is expected to add clarity toward the requirements for a PhD. Impact on other units: None. Financial impact: None.

REVISE GRADUATE CERTIFICATE – NUCLEAR SECURITY SCIENCE AND ANALYSIS

In the 2013-2014 *Graduate Catalog*, remove current description and replace with the following:

Nuclear Security Science and Analysis Graduate Certificate
The Department of Nuclear Engineering offers a graduate certificate in nuclear security science and analysis (NSSA). The program is designed primarily for students seeking specialization in nuclear security science with emphasis on current or aspiring members of the nuclear security community, including those areas with an emphasis on arms control, treaty verification, non-proliferation, international nuclear security issues in both civilian and military contexts, nuclear threat detection, and principles of nuclear intelligence assessment. Additionally, this program will prepare graduate students to engage in the research and development of new tools and processes related to nuclear security science and analysis.

The 12-hour certificate is earned by completing four courses from the following list, including one required course, one qualifying Nuclear Engineering elective course, and two NSSA electives. The required course is NE 530 Nuclear Security Science and Analysis. Qualifying Nuclear Engineering elective courses include (please note that the 400-level courses must be taken for graduate credit to qualify for the certificate): NE 404 Nuclear Fuel Cycle, NE 433 Principles of Health Physics, NE 470 Nuclear Reactor Theory I, NE 542 Management of Radioactive Materials, NE 551 Radiation Protection, and NE 571 Reactor Theory and Design. NSSA electives courses include: NE 532 Advanced Topics in Nuclear Security Science and Analysis, NE 533 Physical Security for High-Consequence Facilities, NE 534 Physical Security Vulnerability Assessment, NE 635 Nuclear Forensics, NE 550 Radiation Measurements Laboratory, and Political Science (POLS) 686 Arms Control, Deterrence and Nuclear Nonproliferation.

The selection of courses, which must be approved by the department, is determined through a student advising conference that considers the student's personal interests, academic background, and work experience. Criteria for acceptance to the certificate are the same as for acceptance into the M.S. program in Nuclear Engineering.

REVISE RELIABILITY AND MAINTAINABILITY ENGINEERING GRADUATE CERTIFICATE – NUCLEAR ENGINEERING CONCENTRATION

In the 2013-2014 *Graduate Catalog*, second paragraph, remove the 2nd sentence and replace it with the following sentence.

Currently, the available elective courses are CBE 562 and CBE 585/NE 585, ECE 504, IE 516, IE 517 and IE 522, ME 534, and NE 575, NE 579, NE 585, STAT 560 and STAT 567.

REVISE REQUIREMENTS RELIABILITY AND MAINTAINABILITY ENGINEERING, MS – NUCLEAR ENGINEERING CONCENTRATION

In the 2013-2014 *Graduate Catalog*, revise requirements under the Thesis and Non Thesis Options, as follows:

Thesis Option – remove the current bullets and replace with the following bullets:

- Twelve hours of reliability and maintainability engineering core courses as listed below.
- Six hours of required statistics sequence.
- Three hours of reliability and maintainability engineering elective courses or statistics electives chosen from the lists below.
- Three semester hours in engineering, statistics (other than STAT 560, STAT 567), business management, or a related field.
- Master's thesis – 6 hours through the department of the major professor.
- A final oral examination covering the thesis and related course work.

Non-Thesis Option – remove bullets 2, 3 and 4 and replace with the following bullets:

- Six hours of required statistics sequence.
- Six hours of reliability and maintainability engineering elective courses or statistics elective courses chosen from the lists below.
- Three semester hours in engineering, statistics (other than STAT 560, STAT 567), business management, or a related field.

REMOVE LISTING OF CURRENT COURSE OPTIONS AND REPLACE WITH THE FOLLOWING:

Reliability and Maintainability Engineering Core Courses:
CBE 483 *****, IE 483 *****, ME 483 *****, or NE 483 *****
CBE 484 *****, IE 484 *****, MSE 484 *****, ME 484 *****, or NE 484 *****
CBE 585 ***** or NE 585 *****
IE 517 *****

Required Statistics Sequence:
STAT 560
STAT 567

Reliability and Maintainability Engineering Electives:
CBE 529, BME 529, CE 529, ECE 529, ENVE 529, MSE 529, ME 529, or NE 529
CBE 562 or IE 562
ECE 504
IE 516
IE 522
BME 534 ***** or ME 534 *****
NE 575 *****
NE 579 *****

Statistics Electives:
STAT 474
STAT 537 *****
STAT 538 *****
STAT 566
STAT 575
STAT 579 *****

*****Currently offered through distance education.
All courses are 3 hour courses.

COLLEGE OF LAW

All changes effective Fall 2013.

I. COURSE CHANGES

ADD

LAW 845 Commercial Leasing (2) Commercial leasing seminar involves a detailed examination of the substantive and procedural law applicable to commercial leasing, in a practical, practice-oriented course that will include up to six graded, written assignments, of involving hands-on negotiation and documentation of a commercial lease of office space. Other written assignments may include negotiation and drafting of a letter of intent, an expansion rights provision, an extension of term provision, an accounting right for rent provision, a lease review letter, and an industrial tenancy agreement or rider to a commercial lease. Will require close reading and critical analysis of lease provisions, including examining and becoming intimately familiar with the terms of art involved, the motivations of the various parties to the leases involved, and the substantive law that governs their relationship. Grades will be based upon the written work product turned in over the course of the semester with class participation component.
(DE)Prerequisite: 842.
Registration Restriction(s): Law students only.

REVISE DESCRIPTION

LAW 937 Estate Planning Seminar (2) After a brief consideration of the ethical conflicts that can occur in the estate planning process, the course will focus on drafting two legal documents commonly used in planning for clients with taxable estates, the life insurance trust and the will (the latter employing the Federal Estate and Gift Tax Unified Credit and marital deduction). Class time will be spent on understanding the provisions of these instruments, including the possible interaction of certain clauses. Students are then required to assemble the articles and clauses studied in class into a finished work product and to draft letters to the client and fiduciaries explaining the legal documents. Will seek to simulate the production of legal documents as is typically expected of a beginning lawyer in an established trusts and estates practice, with emphasis on a polished work product, including appropriate communications with clients. Satisfies planning and drafting requirement.

REVISE TO DELETE (RE)COREQUISIE(S) AND ADD (DE)COREQUISITE(S)

905 Advocacy Clinic (6)
(DE) Corequisite(s): 813 and 814.

II. PROGRAM CHANGES

ADD DUAL JD-MPH PROGRAM – JURIS DOCTOR AND MASTER OF PUBLIC HEALTH

In the 2013-2014 *Graduate Catalog*, add heading, text, and requirements for new dual degree program.

Dual JD-MPH Program – Law and Public Health major (Health Policy and Management concentration)
The College of Law and the Department of Public Health (College of Education, Health, and Human Sciences) offer a dual-degree program that reflects the interrelationship between the legal system and the protection and promotion of the public's health. In particular, the program emphasizes the role that policy, public and private, plays in creating the conditions in which people can be healthy.

Typically, the *Juris Doctor* (JD) degree requires a minimum of 89 semester credit hours and is completed in three years of full-time study. The Master of Public Health (MPH) degree requires 42 semester credit hours and can be completed in two to three years, depending on full-time or part-time study. The dual-degree program offers students the opportunity to pursue both degrees simultaneously and to complete all requirements in four years, rather than in the longer period required to obtain each degree independently. Students pursuing the dual degree should plan to be enrolled in course work or an internship for 1-3 summer terms in addition to taking normal course loads for four academic years.

By combining the programs, students develop specialized knowledge in public health-related legal issues while retaining the flexibility of professional training in the broad disciplines of law and public health. For example, a graduate of the dual-degree program may work as a public health professional with an acute awareness of legal and policy issues, while another may work as an attorney focusing his or her practice on health care issues. Yet others may go on to teach at schools of law or public health.

The Health Policy and Management (HPM) concentration of the Public Health Major, MPH degree provides students with the skills necessary to manage an array of human, capital, and material resources and to provide leadership within a guiding framework of established organizational goals to achieve positive outcomes related to health. In addition, HPM students develop the ability to understand policy formulation and policy impacts, a necessary skill for health managers and policy planners seeking to address important issues, such as access to care, quality improvement and assurance, cost containment, and partnerships with others to improve the health of the public.

Admission
To be admitted to the dual-degree program, an applicant must have received a baccalaureate-level degree. The applicant must also apply and be admitted separately to the College of Law, the Graduate School, and the MPH Program.

For purposes of admission to the JD-MPH dual-degree program, the applicant only needs to take the LSAT (Law School Admission Test), but must submit the test scores to the College of Law, the Graduate School, and the MPH Program. Applicants are welcome to submit their GRE scores if they so wish.

Requirements
- All students are expected to be full-time students. A student may not work in excess of 20 hours per week while attending school on a full-time basis.
- Students are required to complete a minimum of 89 semester credit hours for the JD degree and 42 semester credit hours for the MPH degree.
- During the first year of study, students will be solely enrolled in the prescribed curriculum for the College of Law.
- The College of Law will accept nine hours from approved Public Health courses as electives and the Department of Public Health will accept six hours from approved Law courses as electives.
- The required MPH Field Practice requirement (Public Health 587, 588) may be fulfilled by placement in an approved legal or community organization.

Dual degree students who withdraw from the program before completion of the requirements for both degrees will not receive credit toward either the JD or the MPH for courses taken in the other program, except as such courses qualify for credit without regard to the dual-degree program.

Awarding of Grades
For grade recording purposes in the College of Law and the Department of Public Health, grades awarded in courses in the other unit will be converted to either Satisfactory/No Credit and will not be computed in determining a student's GPA or class standing. The College of Law will award a grade of Satisfactory for an approved Public Health course in which the student earns a grade of B or higher and a grade of No Credit for any lower grade. The Public Health Department will award a grade of Satisfactory for an approved law course in which the student earns a grade of 2.7 or higher on a 4.3 scale and a grade of No Credit for any lower grade. The official academic record of the student maintained by the Office of the University Registrar will show the actual grade assigned by the instructor without conversion.

Different rules apply to students enrolled in the dual JD-MPH, JD-MBA, or JD-MPA Programs. Grades must be earned according to the grading system of the respective college, e.g. numerical grades for law courses but letter grades for graduate courses. Refer to the grading policy of the College of Law and the Department of Public Health, respectively, for the grading scale acceptable toward meeting degree requirements. Cumulative GPA for law courses only will be carried until graduation, at which time both graduate and law cumulative GPAs will be shown on the student's permanent record.

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JD-MPH PROGRAM – Public Health major, Health Policy and Management concentration

First Year	Credit Hours
LAW 801	3
LAW 802	3
LAW 803	3
LAW 804	3
LAW 805	3
LAW 806	3
LAW 807	3
LAW 808	3

LAW 809	3
LAW 810	4
Second Year	
PUBH 510*	3
PUBH 520*	3
PUBH 527	4
PUBH 530	3
PUBH 540	3
LAW 812	4
LAW 814	3
LAW Electives**	6
Third Year	
PUBH 521	3
PUBH 525	3
PUBH 537	3
PUBH 555*	3
PUBH 587	3
LAW Electives**	2
Fourth Year	
LAW Electives**	24
Total hours	111

* Approved by the College of Law for credit toward the JD degree (PUBH 510, 520, and 555).
** Select at least 6 credit hours from courses approved by the Department of Public Health for credit toward the MPH degree.

Law Courses Approved as Electives for the MPH Degree
Students must plan carefully when selecting electives that count toward the MPH degree (a total of six credit hours), as these electives may not be offered every year. Additional electives may also be selected with approval of the College of Law advisor and the MPH Program Director.

LAW 821 - Administrative Law (3)
LAW 822 - Legislation (3)
LAW 862 - Family Law (3)
LAW 863 - Children and the Law (3)
LAW 866 - Environmental Law and Policy (3)
LAW 896 - Law of the Workplace (3)
LAW 957 - Law, Science and Technology (3)
LAW 962 - Law and Medicine (2)
LAW 963 - Health Care Law and Regulation (3)
LAW 964 - Health Care Policy (2)

SUPPORTING INFORMATION Rationale: Adding this degree is needed to meet the demand for education on the interrelationship between the legal system and the protection and promotion of the public's health. The external recognition among professionals in the disciplines of health and law of the value of cross-training in both disciplines has given rise to internal demand for such training. Impact on Department of Public Health: All students pursuing the JD-MPH degree will have been admitted to the Graduate School and to the MPH Program through the respective admission processes. These students will complete the requirement for the Health Policy and Management concentration. The Department of Public Health will accept 6 hours of elective courses from the College of Law toward the MPH degree. All students pursuing the JD-MPH degree will have been admitted to the College of Law through its normal admission process. The College of Law is able to accept 9 hours from public health courses toward the JD degree.

REVISE REQUIREMENTS – JD

In the 2013-14 *Graduate Catalog,* first paragraph, second sentence, add the following text at end of sentence:
…or Law 997 or up to 6 credit hours of non-law electives.

SUPPORTING INFORMATION: Rationale: Conform to ABA accreditation standards. Impact on other units: None expected. Financial impact: None expected. Additional Documentation: None required.

REVISE REQUIREMENTS – BUSINESS TRANSACTIONS CONCENTRATION

In the 2013-14 *Graduate Catalog,* delete the last two bullets and replace with the following paragraph:

In addition to the other requirements, students must complete a capstone course. There are three capstone courses for the concentration, 833, 937, and 978, offered as instructors are available. To complete the concentration, a student must take at least one of the capstone courses and may take all three if they are offered and the student's schedule allows.

COLLEGE OF NURSING

All changes effective Fall 2013

PART I: COURSE CHANGES

(NURS) Nursing

ADD

NURS 574 Clinical Nurse Specialist: Foundation of Practice Roles (2) Seminar providing a forum for collaborative deliberation on issues and roles in the practice of clinical nurse specialists, and assisting clinical nurse specialist students to transition to independent practice roles.
Comment(s): Required for all MSN students in CNS concentration.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Master of Science in Nursing – nursing major. Minimum Student Level – graduate.

NURS 575 Adult Health CNS I: Adult and Older Adult (6) Advanced nursing practice of health assessment, promotion, and maintenance of adult and older adult clients. Application of research, theory, and leadership principles in the clinical nurse specialist roles and health care settings serving the adult and older adult populations.
~~Credit Hour Distribution: 2 hours didactic and 4 hours clinical.~~ (for banner entry only – not listed in the catalog)
Contact Hour Distribution: 2 hours didactic and 16 hours clinical.
(RE) Prerequisite(s): 504, 505, and 515.
(RE) Corequisite(s): 507.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Master of Science in Nursing – nursing major. Minimum Student Level – graduate.

NURS 576 Adult Health CNS II: Adult and Older Adult (7) Continuation of 575. Emphasis on health restoration and management of advanced practice nursing care for adult and older adult clients with complex health problems and their families. Application of research, theory, and leadership systems to the clinical nurse specialist in a variety of roles and health care settings serving the adult and older adult populations.
~~Credit Hours Distribution: 2 hours didactic and 5 hours clinical.~~ (for banner entry only – not listed in the catalog)
Contact Hour Distribution: 2 hours didactic and 20 hours clinical.
(RE) Prerequisites(s): 575 and 501.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Master of Science in Nursing – nursing major. Minimum Student Level – graduate.

NURS 579 Epidemiology for Clinical Practice (3) The basic principles of epidemiology will be introduced in this course with special emphasis given to clinical practice applications. Topics include a general overview of epidemiology, historical perspectives, epidemiology measures, surveillance, study design, and clinical decision making. Course is designed to equip students with the essential tools of epidemiology to use in practice.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Master of Science in Nursing – nursing major or Doctor of Nursing Practice – nursing major. Minimum Student Level – graduate.

NURS 580 Family Nurse Practitioner I for DNP Students (3) Application of advanced health/physical assessment and diagnostic reasoning in nursing management and primary care and of individuals and their families with actual and potential acute health problems.
(RE) Prerequisite(s): 504, 505, and 515.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Doctor of Nursing Practice- nursing major. Minimum student level – graduate.

NURS 581 Family Nurse Practitioner I Clinical for DNP Students (4) Clinical experience in role of family nurse practitioner in variety of settings.
(RE) Prerequisite(s): 580.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Doctor of Nursing Practice- nursing major. Minimum student level – graduate.

NURS 586 Family Nurse Practitioner III for DNP Students (3) Advanced nursing management of multiple/complex health problems of individuals and families in all developmental life stages. Role refinement and exploration of major issues of the family nurse practitioner.
(RE) Prerequisite(s): 572.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Doctor of Nursing Practice- nursing major. Minimum student level – graduate.

NURS 587 Family Nurse Practitioner III Clinical for DNP Students (6) Clinical experience in a variety of settings.
(RE) Prerequisite(s): 586.
Credit Level Restriction: Graduate credit only.
Registration Restriction(s): Doctor of Nursing Practice- nursing major. Minimum student level – graduate.

REVISE TO ADD VARIABLE HOURS AND REPEATABILITY

572 Family Nurse Practitioner II Clinical (2-4)
Repeatability: May be repeated. Maximum 8 hours.

REVISE HOURS

620 Philosophy of Scientific Practice (4)

633 DNP Practice Immersion (1-12)

REVISE HOURS AND DELETE (RE) COREQUISITES

631 Advanced Practice Option I (3)

REVISE TO DELETE (RE) COREQUISITES

634 DNP Capstone

REVISE (RE) PREREQUISITES

632 Advanced Practice Option II
(RE) Prerequisite 631.

PART II: PROGRAM CHANGES

▲ ADD CONCENTRATION – NURSING MAJOR, DNP

Family Nurse Practitioner concentration

REVISE REQUIREMENTS AND TEXT – NURSING MAJOR, DNP

In the 2013-2014 *Graduate Catalog* revise to add the concentration name and requirements:

1) Under the special Requirements and Policies
   - Revise 3rd bullet to read:
     As Registered Nurses, DNP students must be licensed to practice nursing in the state where employed and in all states where their clinical experiences will occur (if different from state of employment).
   - revise 7th bullet to read: "A minimum grade of B in all DNP and other graduate-level nursing courses and a 3.0 cumulative GPA is required for continuation the program."

2) under the Requirements heading, below the current showcase, add the following heading and requirements for new concentration:

Requirements for Family Nurse Practitioner concentration

NURS 501 - Nursing Research	3
NURS 504 – Advanced Health/Physical Assessment	3
NURS 505 – Advanced Clinical Pharmacology	3
NURS 515 – Advanced Pathophysiology for Nursing Practice	3
NURS 580 – Family Nurse Practitioner I for DNP Students	3
NURS 581 – Family Nurse Practitioner I Clinical for DNP students	4
NURS 571 – Family Nurse Practitioner II	3
NURS 572 – Family Nurse Practitioner II Clinical	4
NURS 586 – Family Nurse Practitioner III for DNP Students	3
NURS 587 – Family Nurse Practitioner III Clinical for DNP students	6
Total hours	35

Supporting Information: Rationale: Beginning fall 2013, we will be implementing BSN entry to the DNP program for select high-achieving and highly-motivated BSN students. The DNP requires a minimum of 1000 clinical hours, as opposed to the MSN which required a minimum of 500 clinical hours (650 for FNP). Impact on other units: None. Financial impact: With the increase in total FNP students (MSN plus DNP), clinical course fees will be used to offset any additional FTE costs. We will have to watch enrollment management and faculty assignments closely, so as to not exceed available faculty resources. We predict movement entirely to the DNP level for FNP students; however, we are unclear how quickly this will occur once health care reform is implemented. Logic says the need for doctorally-prepared NPs will only increase under health care reform; however, politics and uncertain financing of health care reform is likely to get in the way.

▲ DROP CONCENTRATION – NURSING MAJOR, MSN

Adult Health Nursing concentration

▲ ADD CONCENTRATION – NURSING MAJOR, MSN

Adult Health Nursing Clinical Nurse Specialist concentration

- DROP CERTIFICATE – ADULT HEALTH NURSING
- ADD GRADUATE CERTIFICATE – ADULT HEALTH NURSING CLINICAL NURSE SPECIALIST

REVISE CERTIFICATE

In the 2013-14 *Graduate Catalog,* revise certificate name and under Requirements heading for the certificate, remove current sentence and replace with the following:
Course requirements are NURS 574, NURS 575, and NURS 579, plus additional hours as determined b the college.

REVISE NURSING MAJOR, MSN

In the 2013-14 *Graduate Catalog*, under heading, Concentration (choose one), delete first line – NURS 529, 530, 531 Adult Health, 13 hours, and replace with: NURS 574, 575, 576 Adult Health Nursing Clinical Nurse Specialist, 15 hours.

REVISE NURSING MAJOR, MSN (HOURS FOR THE GLOBAL DISASTER NURSING CONCENTRATION)

In the 2013-14 *Graduate Catalog,* under heading, Concentration (choose one), revise concentration as follows:
Global Disaster: Advanced Practice hours from 31 to 27
Global Disaster: Management from 16 to 14.

REVISE NURSING MAJOR, MSN – ADMISSION REQUIREMENTS

7th bullet, remove the words "and RN students" from the sentence.

REVISE NURSING MAJOR, MSN – SPECIAL REQUIREMENTS

Revise 3rd bullet: Remove first two words "Registered nurses" and replace with "Each student" (Each student must be…"
Revise 5th bullet to read "Each student must present evidence of current health professionals CPR certification."
Revise 7th bullet to change phone number to (865)974-4151.

REVISE NURSING MAJOR, MSN – ADDITIONAL COURSE REQUIREMENTS

Delete the second showcase which begins with paragraph, "Registered nurses", the showcase, and the last paragraph which begins with "A total of 24 hours…"

REVISE NURSING MAJOR, MSN – REVISE ADMISSION REQUIREMENTS

Revise 4th bullet to delete "and masters entry students",
Delete 6th bullet.

REVISE NURSING MAJOR, MSN – REVISE SPECIAL REQUIREMENTS

Delete 6th bullet under the Special Requirements heading.

REVISE NURSING MAJOR, MSN – REVISE ADDITIONAL COURSE REQUIREMENTS

Delete 5th bullet and delete next paragraph that begins “Students who enter the program as non-RNs must” and delete showcase below paragraph that begins with course 310 and goes through course 461.

REVISE NURSING MAJOR, MSN – REVISE SPECIAL POLICIES

Revise to remove bullets 1 and 2.
Revise 2nd bullet to remove the words “undergraduate or” from the first sentence.
Delete 5th bullet.

REMOVE HEADING AND TEXT – RN-MSN TRACK

In the 2013-2014 *Graduate Catalog*, under the Nursing Major, MSN heading, remove heading and all text for the RN-MSN Track.

COLLEGE OF SOCIAL WORK

All changes effective Fall 2013

II. PROGRAM CHANGES

- ADD GRADUATE CERTIFICATE – TRAUMA TREATMENT

In the 2013-2104 *Graduate Catalog* add heading, text and requirements for new certificate.

Trauma Treatment Graduate Certificate
The graduate certificate program in trauma treatment is intended for currently admitted Social Work graduate students.

This program will provide students with the coursework and practical experience needed to provide trauma-specific interventions and trauma-informed programming and policy development.

Field Placement Requirements
In addition to course requirements, trauma treatment students are required to elect a second year field placement that has the opportunity to focus on work with and/or on behalf of populations experiencing trauma. The learning plan will include your trauma-specific learning goals.

Application Process
The application process is competitive. In order to be considered for the program, applicants must have a recommended 3.5 GPA and apply during the semester prior to their concentration year. The application includes a personal statement describing reasons for participating in the program; professional career goals; tentative selective and elective courses the student would like to take and a letter of reference from a professional in the field of social work. Applications must be turned in by the semester before the first concentration semester begins, after which the trauma treatment committee (composed of those teaching in the program) will meet to select students for the program.

Admission
To be admitted to this program, students must maintain a recommended 3.5 GPA and submit an application to the Chair of the Trauma Treatment Certificate Program.

Requirements
The certificate requires 12 hours of course work: 6 elective hours specifically designated as trauma specific, 3 selective hours with one assignment in the course on a trauma-specific topic, 3 concentration course hours with one assignment in the course on a trauma-specific topic, and 12 field placement hours. Other courses may, with the permission of the trauma treatment chair, be substituted for the courses listed.

Trauma treatment students are required to complete the following free on-line training prior to the start of their concentration year field work: Trauma Focused Cognitive Behavioral Therapy (TF-CBT) http://tfcbt.musc.edu/

In addition, TT students will develop a learning plan in preparation for their concentration class and field work that focuses on trauma-specific learning.

1) The selective and concentration courses must include a trauma-specific assignment approved by the trauma treatment chair. Depending on which course is selected, the identified assignment will focus on a trauma-specific topic. TT students will work with their instructors as well to identify an appropriate assignment for their class.

2) Trauma treatment students must take two trauma electives (6 hours)
SOWK 531 Working with Maltreated and Traumatized Children and Their Families (3) and/or
SOWK 540 General Topics in Social Work (3) (may be repeated with a different topic, maximum 6 hours).

3) Attend two (2) seminars a semester by faculty teaching in the program for the purpose of integrating classroom knowledge with field experience.

Students are advised to refer to the College of Social Work *Student Handbook* for further information.

Rationale: The field of trauma has grown exponentially with advances in neurobiology, trauma-specific interventions, and increased recognition of trauma in the general population. Because many populations that social workers serve have experienced some form of trauma, it is critical that social workers receive training in working with diverse populations who are affected by wide ranging traumatic experiences, including developmental trauma and neglect, chronic interpersonal and/or community violence, natural or manmade disasters, and combat trauma. TT students will learn to critically assess conceptualizations of trauma and traumatic impact, apply current principles of intervention and program planning, and consider the larger social, cultural and political forces at work which shape both exposure to and recovery from traumatic experiences. We want to provide students with high levels of theoretical knowledge and specialized skills for working with populations of traumatized individuals.