GRADUATE MAJOR CHANGE BULLETIN NO. 9

Spring 2017

The courses listed below reflect the graduate major curricular changes approved by the Catalog Subcommittee and the Graduate Studies Committee since approval of the last Graduate Major Change Bulletin. All new and revised courses are printed in their entirety under the headings Proposed and Current, respectively. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
ATH T	**592**	**New**	**--N/A--**	**Athletic Training Clinical Internship II** 3 (1-6) May be repeated for credit: cumulative maximum 6 hours. Course Prerequisite: Admitted to Masters in Athletic Training program. Intermediate techniques in management of sport injury/illness under supervision of a licensed athletic trainer. Typically offered Fall and Spring.	**8-17**
ATH T	**593**	**New**	**--N/A--**	**Athletic Training Clinical Internship III** 5 (2-9) May be repeated for credit: cumulative maximum 10 hours. Course Prerequisite: 6 credits of ATH T 592 with a C or better, admitted to Masters in Athletic Training program. Intermediate techniques in management of sport injury/illness under supervision of a licensed athletic trainer. Typically offered Fall and Spring.	**8-17**
CPT S	**591**	**New**	**--N/A--**	**Elements of Network Science** 3 Fundamental elements of the emerging science of complex networks, with emphasis on social and information networks. Recommended preparation: CPT S 350 with a C or better. Typically offered Spring.	**8-17**
CRM J	**522**	**Revise**	**Foundations of Quantitative Methods** ~~3~~ Application of foundational quantitative methods utilized in the field of Criminal Justice and Criminology. Typically offered Fall.	**Foundations of Quantitative Methods** 4 Application of foundational quantitative methods utilized in the field of Criminal Justice and Criminology. Typically offered Fall.	**8-17**

CRM J	**523**	**Revise**	**Intermediate Quantitative Methods** ~~3~~ Course Prerequisite: CRM J 522. Intermediate-level quantitative methods including logistic regression, factor analysis, propensity scoring and model building. Typically offered Spring.	**Intermediate Quantitative Methods** 4 Course Prerequisite: CRM J 522. Intermediate-level quantitative methods including logistic regression, factor analysis, propensity scoring and model building. Typically offered Spring.	**8-17**
CSSTE	**530**	**Revise**	**Readings in Cultural Studies and Social Thought in Education** 1 May be repeated for credit; cumulative maximum 3 hours. Current scholarship in the field of cultural studies in education and practices of schools. Typically offered Fall and Spring.	**(TCH LRN) (559) Readings in Cultural Studies and Social Thought in Education** 1 May be repeated for credit; cumulative maximum 3 hours. Current scholarship in the field of cultural studies in education and practices of schools. Typically offered Fall and Spring.	**8-17**
CSSTE	**532**	**Revise**	**Gender, Power and Education** 3 Interdisciplinary focus on the relationships among gender, power and education. Typically offered Even Years - Spring.	**(TCH LRN) (535) Gender, Power and Education** 3 Interdisciplinary focus on the relationships among gender, power and education. Typically offered Even Years - Spring.	**8-17**
CSSTE	**534**	**Revise**	**Social Theory in Education** 3 Social theory and how it applies to intellectual work in education. Recommended preparation: Admission to a doctoral program. Typically offered Even Years - Fall.	**(TCH LRN) (592) Social Theory in Education** 3 Social theory and how it applies to intellectual work in education. Recommended preparation: Admission to a doctoral program. Typically offered Even Years - Fall.	**8-17**
CSSTE	**538**	**Revise**	**Youth Cultures in Education** 3 Analysis of how youth cultures operate in society and how they are practiced in schools. Typically offered Fall.	**(TCH LRN) (576) Youth Cultures in Education** 3 Analysis of how youth cultures operate in society and how they are practiced in schools. Typically offered Fall.	**8-17**
ED MTHSC	**598**	**Revise**	**Research Seminar in Mathematics and Science Education** 1 May be repeated for credit; cumulative maximum 6 hours. Through targeted readings and discussion, students will develop knowledge base proficiencies related to areas of mathematics/science education. Typically offered Fall and Spring.	**(TCH LRN) Research Seminar in Mathematics and Science Education** 1 May be repeated for credit; cumulative maximum 6 hours. Through targeted readings and discussion, students will develop knowledge base proficiencies related to areas of mathematics/science education. Typically offered Fall and Spring.	**8-17**
FINE ART	**555**	**New**	**--N/A--**	**Critical Practices** 9 (4-10) May be repeated for credit; cumulative maximum 36 hours. Studio practice, critical analysis of the student's own and others' work,	**8-17**

				investigation of critical theory and visual culture through display and making art via a variety of disciplines. Typically offered Fall and Spring. Cooperative: Open to UI degree-seeking students.	
KINES	**563**	**New**	**--N/A--**	**Balance, Gait and Running** 3 Course Prerequisite: KINES 562. The biomechanical analysis and literature of balance, gait and running. Typically offered Spring.	**1-18**
LLT	**586**	**Revise**	**Seminar in Language, Literacy, and Technology** 1 May be repeated for credit; cumulative maximum 3 hours. Tools for professional development in the areas of research, teaching, and service. Seminar compliments required courses in the LLT doctoral student program.	**(TCH LRN) Seminar in Language, Literacy, and Technology** 1 May be repeated for credit; cumulative maximum 3 hours. Tools for professional development in the areas of research, teaching, and service. Seminar compliments required courses in the LLT doctoral student program. Typically offered Fall and Spring.	**8-17**
MBIOS	**503**	**Revise**	**Advanced Molecular Biology I** 3 DNA replication and recombination in prokaryotes and eukaryotes; recombinant DNA methods and host/vector systems; genome analysis; transgenic organisms. Recommended preparation: Introductory genetics and biochemistry coursework. Typically offered Fall, Spring, and Summer.	**Advanced Molecular Biology** 3 DNA replication, gene expression and regulation, including chromatin structure, DNA repair, recombination, genomic editing, and epigenetic regulation. Typically offered Fall.	**8-17**
NEP	**505**	**New**	**--N/A--**	**Graduate Seminar** 1 May be repeated for credit; cumulative maximum 2 hours. Course Prerequisite: Graduate standing in NEP. Weekly presentations by experts centered around a theme that addresses current issues and controversies in the broad fields of nutrition and exercise physiology. Typically offered Fall and Spring. S, F grading.	**8-17**
NEP	**580**	**Revise**	**Advanced Topics in Exercise Physiology** 3 Advanced topics in cellular and molecular physiology.	**Advanced Topics in Exercise Physiology and Nutrition** 3 May be repeated for credit; cumulative maximum 6 hours. In-depth evaluation of current research in	**8-17**

				the fields of exercise physiology and nutrition; exploration of different topics by different instructors on a rotating basis. Typically offered Fall and Spring.	
NEP	**582**	**New**	**--N/A--**	**Advanced Exercise Physiology** 3 (2-3) Systematic study of energy metabolism and acute and chronic adaptations of physical activity at the whole systems level. Recommended preparation: Undergraduate coursework in anatomy and physiology, biochemistry, and exercise physiology. Typically offered Fall.	**8-17**
NEP	**586**	**New**	**--N/A--**	**Physical Activity Epidemiology and Public Health** 3 Course Prerequisite: Admission to NEP Graduate Program. An in-depth evaluation of topics relevant to the study of physical activity and public health globally. Typically offered Fall.	**8-18**
STAT / AFS	**511**	**New**	**--N/A--**	**Statistical Methods for Graduate Researchers** 4 (3-2) Fundamentals of experimental design and statistical methods for graduate students in the sciences. Covers t-test for one and two means, ANOVA through completely randomized designs with one and two factors, chi-square tests and regression analysis using R. Recommended preparation: One prior course in statistics. Cannot be used for credit in the Department of Mathematics and Statistics graduate programs. Typically offered Fall and Spring.	**8-17**