

GRADUATE MAJOR CHANGE BULLETIN NO. 2

Fall 2013

Faculty Senate Approved November 14, 2013

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
COUN PSY	519	<u>New</u>	--N/A--	Family Therapy 3 Course Prerequisite: COUN PSY 511; COUN PSY 512. Introduces family therapy, its respective theories and models to clinical practice, assessment, and research.	1-14
E E	526	<u>New</u>	--N/A--	High Voltage Overhead Transmission Lines 3 Course Prerequisite: Graduate standing in Electrical Engineering. Electrical analysis, performance, and design of high voltage transmission lines; power capacity, electromagnetic environment, electromagnetic compatibility, measurements, grounding.	1-14
E M	503	<u>New</u>	--N/A--	Managing Variability Using Statistics 3 Managing variability and uncertainty using statistics for engineering decision making involving risk.	1-14
FS	509	<u>New Conjoint</u>	--N/A--	Principles of Environmental Toxicology 3 Study of the nature, properties, effects and detection of toxic substances in the environment and in any environmentally exposed species, including humans. General understanding of toxicology related to the environment. Fundamental toxicological concepts: dose-response relationships, absorption of toxicants, distribution and storage of toxicants, biotransformation and elimination of toxicants, target organ toxicity and teratogenesis, mutagenesis, carcinogenesis and risk management. Credit not granted for both FS 409 and 509. Recommended preparation: BIOLOGY 102 or 107; CHEM 102; CHEM 105; CHEM 106; STAT 205. Offered at 400 and 500 level. Cooperative: Open to UI degree-seeking students.	8-13
FS	532	<u>New</u>	--N/A--	Advanced Food Microbiology 3 Discuss Current topics in food-borne pathogen including novel detection method, virulence and pathogenesis, and their interaction with environment and host. Recommended preparation: BIOLOGY 107, MBIOS 305, or FS 416.	1-14
FS	536	<u>New Conjoint</u>	--N/A--	Principles of Sustainability 3 Online course presenting fundamental technical information on issues and processes in sustainability; resource management, waste generation and management; the built environment; industrial	8-13

				approaches to sustainability, energy and water sustainability, measuring sustainability; life cycle assessment/sustainability impact assessment, and case studies. Credit not granted for both FS 436 and 536. Offered at 400 and 500 level. Cooperative: Open to UI degree-seeking students.	
SOC	511	<u>New</u>	--N/A--	Data Management 3 Core concepts and procedures regularly used in the quantitative analysis of sociological data.	8-14