

GRADUATE MAJOR CHANGE BULLETIN NO. 9

Spring 2015

Faculty Senate Approved April 16, 2015

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
ANTH	522	New	--N/A--	Culture and Mind 3 Examination of cultural variation in mind and mental processing, and how shared ideas and personal perceptions are necessarily co-constitutive of one another. Typically offered: Fall, even years.	8-15
CE	562	New	--N/A--	Advanced Subsurface Flow and Transport 3 Analysis of the dynamics of subsurface fluid flow in porous media that give rise to contaminant transport behaviors at multiple scales. Emphasis is placed on developing a qualitative knowledge of the features that cause deviations from idealized transport behaviors and the mathematical tools required to model transport in natural, heterogeneous aquifers for both passive and reactive solutes. Typically offered: Spring.	1-16
CHE	585	Revise	Interfacial Phenomena 3 Chemical and physical nature of the interface including the molecular basis for interfacial forces and resulting macroscopic phenomena.	Interfacial Phenomena 3 Chemical and physical nature of the interface including the molecular basis for interfacial forces and resulting macroscopic phenomena. <u>Credit not granted for both CHE 485 and 585.</u> Typically offered: Spring.	8-15
ED AD	514	Revise	Basic Principles of Curriculum Design 2 3 The application of theoretical concepts and approaches in the planning and design of curricula. Typically offered Fall, Spring, and Summer.	Basic Principles of Curriculum Design 3 The application of theoretical concepts and approaches in the planning and design of curricula. Typically offered Fall, Spring, and Summer.	8-15
ENVR SCI	521	New	--N/A--	Uses and Regulation of Radiation 3 Uses and regulation of radiation and	8-15

				radioactive materials in medicine, industry, power production, and scientific research. Required preparation: ENVR SCI 406.	
FS	515	New	--N/A--	Food Fermentations - Microbiology and Technology 3 Fundamental understanding of food fermentation science and technology knowledge and principles; application of scientific knowledge to assess and solve food fermentation science and technology problem. Recommended preparation: MBIOS 101 or 305; MBIOS 303. Typically offered: Spring or Summer. Cooperative: Open to UI degree-seeking students.	5-16
NURS	536	Revise	Nursing Theory: Foundations for Knowledge Development 2 Course prerequisite: Graduate standing in Nursing. Theory development analysis; theory critique; nursing knowledge examination; impact of theory on nursing science, applied to student's phenomenon of interest. Typically offered Fall.	Nursing Theory: Foundations for Knowledge Development 3 Course Prerequisite: Graduate standing in Nursing. Theory development analysis; theory critique; nursing knowledge examination; impact of theory on nursing science, applied to student's phenomenon of interest. Typically offered Fall.	5-15
NURS	585	Revise	Faculty Role Seminar 4 Course prerequisite: Graduate standing in Nursing. Analysis of current issues related to the faculty role in nursing education. Typically offered Even Years - Spring.	Faculty Role Seminar 3 Analysis of current issues related to the faculty role in nursing education. Typically offered Even Years - Spring.	5-15
NURS	596	New	--N/A--	Nursing Science: Theory and Science of Nursing II 3 Course Prerequisite: NURS 536. Analysis and application of concepts, models, and theories for nursing science research with a focus on vulnerable populations.	5-15
PL P	512	New	--N/A--	Topics in Plant Pathology V 1-3 May be repeated for credit; cumulative maximum 6 hours. Concepts of plant pathogen interactions and disease management. Typically offered: As needed.	8-15