

GRADUATE MAJOR CHANGE BULLETIN NO. 6

Spring 2014

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	520	New	--N/A--	Substance Abuse Counseling and Interventions 3 Course Prerequisite: COUN PSY 511; COUN PSY 512. Substance abuse issues, theory, and counseling techniques and interventions.	1-14
CROP SCI	555	New	--N/A--	Epigenetics in Plants 2 Understanding principles of epigenetics in plants with a focus on its role in understanding and improving plant genomes and their adaptation to the changing environment. Recommended preparation: General genetics. Cooperative: Open to UI degree-seeking students.	8-14
E E	522	New	--N/A--	High Voltage Engineering 3 High voltage engineering concepts and techniques that facilitate design, research, and development of modern electric power apparatus and interconnected components.	1-14
INTERDIS	598	Revise	Interdisciplinary Seminar 1 May be repeated for credit; cumulative maximum 3 hours. Seminar on theory and practice of advanced interdisciplinary doctoral study.	Interdisciplinary Seminar 1 <u>Course Prerequisite: INTERDIS 591 and/or admission to the IIDP program. Assists IIDP students in the preparation of their program proposal, which serves as the qualifying examination for continuation in the IIDP. The IIDP Graduate Committee will review and evaluate the proposal. S, F grading.</u>	8-14
MATH	532	Revise	Mathematics for College and Secondary Teachers 3 Course	Advanced Mathematical Thinking 3 Course Prerequisite:	1-15

			Prerequisite: By instructor permission. Pre-algebra, algebra functions and geometry examined from an advanced perspective, for secondary and lower level college teachers. Credit not granted for both MATH 432 and MATH 532. Offered at 400 and 500 level.	<u>Graduate standing in mathematics or by instructor permission. Current theories about how humans learn to think mathematically at the advanced level.</u>	
NURS	511	Revise	Rural and Cultural Competencies for Population Health 2 Course prerequisite: Graduate standing in Nursing. Rural, cultural and research competencies necessary for reducing health disparities to increase access to care for local and global populations	<u>Advanced Nursing Practice Competencies for Population Health</u> 2 Course Prerequisite: NURS 539. <u>Advanced nursing and interprofessional practice competencies necessary to reduce health disparities and improve health outcomes for individuals, families, communities, populations.</u>	8-14
NURS	512	Revise	Rural and Cultural Competencies for Population Health Practicum V-1-2 Course prerequisite: NURS 511; graduate standing in Nursing. Rural, cultural and research competencies necessary for reducing health disparities to increase access to care in the practice setting. S, F grading.	<u>Practicum in Interprofessional Collaboration</u> 2 Course prerequisite: NURS 511 or concurrent enrollment. <u>Synthesis and application of advanced nursing and interprofessional competencies to improve health outcomes and reduce health disparities.</u>	8-14
NURS	553	Revise	Seminar in Interprofessional Collaboration 1 Course prerequisite: Graduate standing in Nursing. Leadership and collaboration efforts among professionals with clients and community partners.	<u>Practicum in Organizational Systems and Leadership</u> 3 (1-6) Course Prerequisite: NURS 576 or concurrent enrollment. <u>Integration of principal dimensions of healthcare quality improvement and measurement of nurse leaders in a constantly changing health care environment.</u>	8-14
NURS	558	New	--N/A--	<u>Practice Transformation Project I: Program Design and Data Collection</u> 3 (1-6) Course Prerequisite: NURS 557 with a grade B or better. Development of program design plan and collection of data for the DNP Practice Transformation Project.	8-14
NURS	559	New	--N/A--	<u>Practice Transformation Project II: Implementation, Evaluation, and Dissemination</u> 3	8-14

				(1-6) Course Prerequisite: NURS 557 with a grade B or better; NURS 558 with a grade B or better. Implementation and evaluation of the DNP Practice Transformation Project.	
NURS	570		Clinical Decision Making 1 (0-3) Course prerequisite: NURS 581; NURS 562; NURS 563; concurrent with first clinical course (NURS 567, 568, or 569). Provides a framework for systematic collection, organization, interpretation, and communication of data for the development of differential diagnosis.	Clinical Decision Making 2 Course Prerequisite <u>NURS 554</u> ; concurrent enrollment in <u>NURS 567</u> . Framework for developing differential diagnoses and treatment plans based on systematic collection, organization, analysis and communication of data.	8-14
PL P	525	Revise	Field Plant Pathology and Mycology V 1 (0-3) to 2 (0-6) May be repeated for credit; cumulative maximum 4 hours. Field trips, forays, and demonstrations dealing with various aspects of plant pathology and mycology.	Field Plant Pathology and Mycology 3 <u>Diverse plant diseases, disease diagnosis and management in fields, orchards, nurseries; interact directly with diverse agricultural stakeholders. Field trip required. Recommended preparation: PL P 429 or PL P 521.</u>	5-14
PREV SCI	511	New	--N/A--	(H D) Introduction to Prevention Science 3 Disciplinary roots; the epidemiological approach to risk and prevention; design, implementation, and dissemination of preventive interventions.	8-14
PREV SCI	513	Revise	Research Methods in Human Development I 3 Introduction to process of research and methods in human development; techniques of research, data collection, and data analysis procedures. Cooperative: Open to UI degree-seeking students.	(H D) Research Methods in Prevention Science 3 Introduction to process of research and methods in <u>prevention science</u> ; techniques of research, data collection, and data analysis procedures.	8-14
PREV SCI	540	Revise	Effective Intervention Programs 3 Course Prerequisite: HD 535. Innovative effective prevention and intervention programs from theoretical, applied, and outcome evaluation	Effective <u>Prevention Strategies II</u> 3 Course Prerequisite: <u>PREV SCI 535</u> . <u>Evaluation of prevention science programs.</u>	8-14

			perspectives.		
PSYCH	505	Revise	Teaching Introductory Psychology V 1-3 May be repeated for credit; cumulative maximum <u>4</u> hours. Course Prerequisite: Ph.D. student in Psychology. Problems and techniques related to teaching introductory psychology. S, F grading.	Teaching Introductory Psychology V 1-3 May be repeated for credit; cumulative maximum <u>5</u> hours. Course Prerequisite: Ph.D. student in Psychology. Problems and techniques related to teaching introductory psychology. S, F grading.	8-14
SPMGT	579	New	--N/A--	Sport Media and Communication 3 Explores and critically examines the role of media and communication in contemporary sports and society. Recommended preparation: SPMGT 379 or equivalent.	8-14
TCH LRN	511	New	--N/A--	Theoretical Foundations of Education Research 3 Course Prerequisite: Admission to a graduate program. Identification and use of theoretical components to guide and explain education research.	8-14
TCH LRN	586	New	--N/A--	Seminar in Language, Literacy, and Technology 1 Tools for professional development in the areas of research, teaching, and service. Seminar compliments required courses in the LLT doctoral student program.	8-14