

GRADUATE MAJOR CHANGE BULLETIN NO. 9

Spring 2023

Faculty Senate approved April 6, 2023

The courses listed below reflect the graduate major curricular changes approved by the Graduate Studies Committee since approval of the last Graduate Major Change Bulletin. All changes are underlined. Deletions are crossed out. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
E M	564	Revise	Project Management 3 Technical tools, Critical Path Method (CPM), Program Evaluation Review Technique (PERT), cost/schedule control systems, behavioral issues and organizational structure. Credit not granted for both E-M 464 and E-M 564. Offered at 400 and 500 level.	Project Management 3 Technical tools, Critical Path Method (CPM), Program Evaluation Review Technique (PERT), cost/schedule control systems, behavioral issues and organizational structure.	8-23
MATH	585	New	--N/A--	Topics in Mathematical Biology V 1-3 May be repeated for credit. Advanced topics in mathematical biology. Recommended preparation: graduate standing and an undergraduate course in ordinary differential equations such as MATH 315. Typically offered Spring. Cooperative: Open to UI degree-seeking students.	1-24
PHYSICS	598	Revise	Teaching Undergraduate Physics Laboratories 1 May be repeated for credit; cumulative maximum 4 credits. Principles and practices of teaching, planning and management of undergraduate physics laboratories; choice and care of equipment. Typically offered Fall and Spring. S, F grading.	Teaching Undergraduate Physics Laboratories 1 May be repeated for credit. Principles and practices of teaching, planning and management of undergraduate physics laboratories; choice and care of equipment. Typically offered Fall and Spring. S, F grading.	8-23
SDC	511	New	--N/A--	Field Inspection and Energy Auditing 4 Course Prerequisite: Admitted to the graduate certificate program in Energy Conscious Construction. Performance evaluation using field measurement	8-23

				equipment and comparing real life performance to that estimated during design. Typically offered Fall.	
SDC	513	New	--N/A--	Comprehensive Design Experience 4 Course Prerequisite: Admitted to the graduate certificate program in Energy Conscious Construction. Design and evaluation of high-performing energy-efficient residential buildings by applying principles of building science and addressing issues of energy, carbon, and materials. Typically offered Spring.	8-23
SOE	500	New	--N/A--	College Science Teaching 3 Theory, implementation, and application of empirically validated instructional strategies for college-level science that improve learning, retention, student self-regulation, and graduation rates. Typically offered Fall.	8-23
SOE	579	New	--N/A--	Geoscience for Sustainable Development 3 Exploration of how the geosciences contribute to a sustainable future including topics of climate change, access to fresh water, and the energy transition. Credit not granted for both SOE 479 and SOE 579. Offered at 400 and 500 level. Typically offered Spring.	8-23