

GRADUATE MAJOR CHANGE BULLETIN NO. 9

Spring 2016

Faculty Senate Approved March 31, 2016

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	525	New	--N/A--	Medical Anthropology 3 Examination of the interactions between culture and well-being, including illness concepts, distributions, prevention, and treatments in global perspective. Typically offered odd years, Spring.	5-16
CPT S	515	New	--N/A--	Advanced Algorithmics 3 Advanced algorithms and data structures, design and analysis, intractability.	8-16
E M	568	New	--N/A--	Risk Assessment and Management 3 Risk management strategies and techniques for the design and management of engineering and technology systems.	8-16
ECE	543	New	--N/A--	Advanced Hardware Verification 3 Contemporary methods of functional hardware verification for complex digital designs, including functional simulation, coverage metrics, event and assertion-based verification, property specification language, and formal verification techniques. Recommended preparation: ECE 324. Typically offered Fall.	8-16
ECE	569	New	--N/A--	Advanced Power Electronics 3 Advanced design, analysis, modeling, and verification of applied power electronics and related control systems. Recommended preparation: ECE 327. Typically offered Spring.	8-16
ED PSYCH	577	New	--N/A--	Item Response Theory 3 Course Prerequisite: ED PSYCH 511. Introduction to item response theory and its use in the social sciences. Typically offered Fall.	8-17
MATH	591	New	--N/A--	Seminar in Mathematical Biology 1 May be repeated for credit; cumulative maximum 10 hours. Current research in mathematical biology. Typically offered Fall, Spring, and Summer. S, F grading.	8-16
MATH	593	New	--N/A--	Seminar in Combinatorics, Linear Algebra, and Number Theory 1 May be repeated for credit; cumulative maximum 10 hours. Current research in combinatorics, linear algebra, and number theory. Typically offered Fall, Spring, and Summer. S, F grading.	8-16

MATH	594	New	--N/A--	Mathematics Education Seminar 1 May be repeated for credit; cumulative maximum 10 hours. Current research in mathematics education. Typically offered Fall, Spring and Summer. S, F grading.	8-16
PHARMSCI	540	New	--N/A--	Fundamentals of Chronopharmacology 3 Role of the circadian clock in pharmacology as it relates to therapeutic efficacy; special emphasis on anti-cancer drug treatment. Typically offered even years, Fall.	8-16