

GRADUATE MAJOR CHANGE BULLETIN NO. 7

Spring 2016

Faculty Senate Approved February 25, 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
AMER ST	528	New	--N/A--	Cultural Studies 3 Basic theory and core methods of the field of cultural studies through a cross discipline approach.	8-16
ANTH	568	New	--N/A--	Research Design and Grant Writing 3 Project development, research design, and successful proposal writing.	8-16
CHEM	591	Restore	--N/A--	Seminar in Inorganic Chemistry 1 May be repeated for credit; cumulative maximum 6 hours. Presentation and discussion of topics in inorganic chemistry taken from research in progress or current literature. Typically offered Fall and Spring.	8-16
ECE	533	New	--N/A--	Advanced Antenna Design 3 Advanced antenna types and design methods, small antennas, reconfigurable antennas, wideband microstrip antennas, millimeter-wave antennas, phased arrays, design of array feed, mutual coupling, system level implications such as full-duplex and MIMO. Recommended preparation: ECE 370; ECE 471. Typically offered Fall.	8-16
ECE	576	New	--N/A--	Sensors 3 (2-3) Classification of sensors, sensing modalities, comparison; figures of merit; sensing parameters; sensor miniaturization; sensor manufacturing; and case study:	8-16

				Pressure sensor, gas sensor, temperature sensor, and biosensor. Required preparation: Circuit analysis. Typically offered Fall.	
ECE	586	New	--N/A--	Solid State Device Design and Modeling 3 Design and modeling of solid-state devices such as PN diode, BJT, and MOSFET; Simulation and device design using TCAD tools for physical modeling and fabrication process integration. Recommended preparation: Basic semiconductor physics. Typically offered Spring.	8-16
ECE	702	New	--N/A	Master's Special Problems, Directed Study, and/or Examination V 1-18 May be repeated for credit. Independent research in special problems, directed study, and/or examination credit for students in a non-thesis master's degree program. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 702 credit. Typically offered Fall, Spring, and Summer. S, U grading.	
MGMT	582	Revise	Personnel and Human Resource Management 3 Course Prerequisite: Admission to the MBA, Master of Accounting, or Business PhD programs. Human resources and personnel administration; selection, training, compensation, performance appraisal, labor relations, health and safety, EEO legislation.	(MGTOP) Personnel and Human Resource Management 3 Course Prerequisite: Admission to the MBA, Master of Accounting, or Business PhD programs. Human resources and personnel administration; selection, training, compensation, performance appraisal, labor relations, health and safety, EEO legislation. <u>Typically offered Fall, Spring, and Summer.</u>	8-16
MGMT	589	Revise	Seminar in Management 3 May be repeated for credit; cumulative maximum 6 hours. Course Prerequisite: Admission to the MBA program. Special topics in management, organization behavior, organization theory, human resource management and strategic management.	(MGTOP) Seminar in Management 3 May be repeated for credit; cumulative maximum 6 hours. Course Prerequisite: Admission to the MBA program. Special topics in management, organization behavior, organization theory, human resource management and strategic	8-16

				management. <u>Typically offered Fall, Spring, and Summer.</u>	
NURS	505	New	--N/A--	Analytical Foundations for Practice Inquiry 3 Application of quantitative methods and statistics in current health care to review, describe, and interpret the language of research. Typically offered Fall.	8-16
PSYCH	519	Restore	Industrial/Organizational Psychology 3 Application of psychological principles to the study of work behavior; includes topics such as personnel selection, performance appraisal, training, work motivation, teams, leadership, and job attitudes.	Industrial/Organizational Psychology 3 <u>Course Prerequisite: Ph.D. student in Psychology. Overview of research, theory, and application of psychological principles in the workplace.</u> Typically offered even years, Fall.	<u>8-16</u>