GRADUATE MAJOR CHANGE BULLETIN NO. 8

Spring 2017

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
ATH T	598	New	--N/A--	**Professional Preparation in Athletic Training** 3 Course Prerequisite: Admitted to Masters in Athletic Training program. Application of theory analysis and theory critique as applied to student's phenomenon of interest. Typically offered Spring.	**1-21**
CE	560	Revise	**Advanced Hydrology** 3 ~~Components~~ of the hydrologic cycle~~; conceptual models; watershed characteristics; probability/statistics in data analysis; hydrographs; computer models; and design applications. Credit not granted for both CE 460 and CE 560. Offered at 400 and 500 level.~~ Cooperative: Open to UI degree-seeking students.	**Advanced Hydrology** 3 <u>Principles</u> of the hydrologic cycle <u>including precipitation, lower atmosphere, evaporation, fluid mechanics of free surface flow, overland flow, flow routing, infiltration, baseflow. Recommended preparation: Introductory hydrology and differential equations. Typically offered Spring.</u> Cooperative: Open to UI degree-seeking students.	**8-17**
COM	541	New	--N/A--	**Science Communication** 3 Introduction to the role of communication in the formation of attitudes, opinions, and knowledge about important science issues. Typically offered Even Years - Fall.	**8-17**
COM	550	Revise	~~**Media Processes and Effects: Theory and Practice** 3 Physiological, psychological and social effects of media messages and technologies upon individuals and societies.~~	<u>**Micro Media/Communication Theories**</u> 3 <u>Introduction to basic concepts and theories at the intra-individual level of analysis in communication and media psychology.</u> <u>Typically offered Odd Years - Spring</u>	**8-17**
COM	552	New	--N/A--	**Theories and Methods of Emerging Communication Technology** 3 Theories and study methods for emerging technologies; emerging communication	**8-17**

				technology in the context of politics, health and science. Typically offered Even Years - Spring.	
CPT S	561	Revise	**Computer Architecture** 3 ~~Parallel and distributed processors; multiprocessors; interconnection topologies; language-directed architecture; special-purpose architecture.~~ Typically offered Fall.	See **CPT S 561/EE 524 for proposal.**	
CPT S / EE	561/524	Revise	**Note: See CPT S 561 and EE 524 for current descriptions.** Request crosslisting of two existing independent courses, CPT S 561 and EE 524.	<u>**Advanced**</u> **Computer Architecture** 3 Instruction set architectures, pipelining and super pipelining, instruction level parallelism, superscalar and VLIW processors, cache memory, thread-level parallelism and VLSI. <u>(Crosslisted course offered as E E 524, CPT S 561).</u> Typically offered Fall.	**8-17**
CPT S / CS	565	New	--N/A--	**File and Storage Systems** 3 Design and implementation of file and storage systems, introduction of the architecture and characteristics of the components on which storage systems are built. (Crosslisted course offered as CPT S 565, CS 561)Typically offered Spring.	**8-17**
CS	564	New	--N/A--	**Distributed Systems** 3 Distributed systems concepts; distributed systems models; socket programming; remote procedure call; distributed file systems; transactions and concurrency control; fault tolerance. Typically offered Spring.	**8-17**
CSSTE	800	New	--N/A--	**Doctoral Research, Dissertation, and/or Examination** V 1-18 May be repeated for credit. Course Prerequisite: Admitted to the Business Administration - Accounting PhD program. Independent research and advanced study for students working on their doctoral research, dissertation and/or final examination. Students must have graduate degree-seeking status and should check with their major advisor/committee chair	**8-17**

				before enrolling for 800 credit. Typically offered Fall, Spring, and Summer. S, U grading.	
E E	524	Revise	**Advanced Computer Architecture** 3 Instruction set architectures, pipelining and super pipelining, instruction level parallelism, superscalar and VLIW processors, cache memory, thread-level parallelism and VLSI. Typically offered Fall.	**See CPT S 561/EE 524 for proposal.**	
LLT	800	New	--N/A--	**Doctoral Research, Dissertation, and/or Examination** V 1-18 May be repeated for credit. Course Prerequisite: Admitted to the Language, Literacy, and Technology PhD program. Independent research and advanced study for students working on their doctoral research, dissertation and/or final examination. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 800 credit. Typically offered Fall, Spring, and Summer. S, U grading.	**8-17**
STAT	800	New	--N/A--	**Doctoral Research, Dissertation, and/or Examination** V 1-18 May be repeated for credit. Course Prerequisite: Admitted to the Business Administration - Accounting PhD program. Independent research and advanced study for students working on their doctoral research, dissertation and/or final examination. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 800 credit. Typically offered Fall, Spring, and Summer. S, U grading.	**8-17**