UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 8

Faculty Senate Approved March 10, 2016

Spring 2016

---COURSES---

The courses listed below reflect the undergraduate major curricular changes approved by the Catalog Subcommittee since approval of the last Undergraduate Major Change Bulletin. All new and revised courses are printed in their entirety under the headings Current and Proposed, respectively. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
AMDT	<u>221</u>	Revise	[M] ~~History of Fashion Design~~ 3 Course Prerequisite: AMDT 210~~; certified major in Apparel, Merchandising, and Textiles~~. Overview of apparel design, designers and social history in the 20th century. Typically offered Spring.	(420) [M] <u>Historic Costume II</u> 3 Course Prerequisite: AMDT 210 <u>or concurrent enrollment</u>. Overview of apparel design, designers and social history in the 20th century. Typically offered Spring.	**5-16**
BIOLOGY	335	Revise	**Genome Biology** 3 Course Prerequisite: BIOLOGY 301. Comparative analysis of genomes from bacteria to humans including methods for sequencing, genotyping, annotation of genomes, population genetics and evolution. Typically offered Fall.	**[M] Genome Biology** 3 Course Prerequisite: BIOLOGY 301. Comparative analysis of genomes from bacteria to humans including methods for sequencing, genotyping, annotation of genomes, population genetics and evolution. Typically offered Fall.	**8-16**
BIOLOGY	360	New	--N/A--	**Molecular Processes of Living Organisms** 3 Course Prerequisite: BIOLOGY 107. Study of fundamental molecular processes encouraging thinking beyond biological species to comprehend larger scale biological issues and relevance for society. Typically offered even years, Fall.	**8-16**
BIOLOGY/ ANTH	473	New	--N/A--	**[CAPS] [M] Evolution and Society 3** Course Prerequisite: ANTH 260 or BIOLOGY 301; junior standing. Survey of how evolutionary theory is used to better understand ourselves and the societies in which we exist and interact with others. (Crosslisted course offered as BIOLOGY 473, ANTH 473). Typically offered odd years,	**8-16**

				Spring.	
BIOLOGY	**474**	**New**	**--N/A--**	**Computational Biology** 4 (3-3) Course Prerequisite: BIOLOGY 301; MATH 140 or 171; STAT 212, 412, or PSYCH 311. Theory and current literature on a wide range of computational techniques used to address and solve problems in biology; a practical introduction to R/python as scientific languages useful in the solution of problems in biology. Typically offered odd years, Spring.	**5-16**
CPT S / CS/ STAT	**115**	**New**	**--N/A--**	**Introduction to Data Analytics** 3 Basic concepts, principles, and tools used in Data Analytics. (Crosslisted course offered as **CPT S 115, CS 115, STAT 115**).	**8-16**
CPT S / CS	**215**	**New**	**--N/A--**	**Data Analytics Systems and Algorithms** 3 Course Prerequisite: CPT S 122, CPT S 132 or CS 122. Exploration of fundamental concepts, constructs, and techniques of modern data analytics systems. (Crosslisted course offered as **CPT S 215, CS 215**).	**8-16**
CPT S / CS	**315**	**New**	**--N/A--**	**Introduction to Data Mining** 3 Course Prerequisite: CPT S 215. The process of automatically extracting valid, useful, and previously unknown information from large repositories. (Crosslisted course offered as **CPT S 315, CS 315**).	**8-16**
CPT S / CS	**415**	**New**	**--N/A--**	**Big Data** 3 Course Prerequisite: CPT S 215; CPT S 451. Big data models, databases and query languages, modern distributed database systems and algorithms. (Crosslisted course offered as **CPT S 415, CS 415**).	**8-16**
CPT S	**489**	**New**	**--N/A--**	**Web Development** 3 Course Prerequisite: CPT S 322 with a C or better; certified major in Software Engineering, Computer Science, Computer Engineering, or Electrical Engineering. Web development using markup	**8-16**

				languages, style sheet language, and scripting languages; developing and consuming web services; testing web applications.	
HBM	<u>101</u>	Revise	**Introduction to Industry Experience** 1 Preparation for work in hospitality/business organizations; resume writing, interview skills, use of Career Services, career dress. Typically offered Fall~~, Spring, and Summer~~.	**(182) Introduction to Industry Experience** 1 Preparation for work in hospitality/business organizations; resume writing, interview skills, use of Career Services, career dress. Typically offered Fall <u>and</u> Spring.	**8-16**
HBM	<u>401</u>	Revise	**Industry Experience** 1 Course Prerequisite: ACCTG 230; certified major in the College of Business, or certified minor in Hospitality Business Management. Final employment preparation to include mock traditional/panel interviews, resume/cover letter critiques, etiquette dinner, and networking. Typically offered Fall and Spring. ~~S, F grading.~~	**(320) Industry Experience** 1 Course Prerequisite: ACCTG 230; certified major in the College of Business, or certified minor in Hospitality Business Management. Final employment preparation to include mock traditional/panel interviews, resume/cover letter critiques, etiquette dinner, and networking. Typically offered Fall and Spring.	**8-16**
SOIL SCI	202	New	--N/A--	**[BCSI] Introductory Soil Science Laboratory** 1 (0-3) Course Prerequisite: SOIL SCI 201 or concurrent enrollment. Hands-on experience with biological, chemical, and physical properties/processes of soils including: sampling and evaluating, working with data, and exploring methodology. Typically offered Fall and Spring.	**8-16**