

M E M O R A N D U M

TO: Deans and Chairs
 FROM: Becky Bitter, Sr. Assistant Registrar
 DATE: April 5, 2018
 SUBJECT: Minor Change Bulletin No. 11

The courses listed below reflect the minor curricular changes approved by the catalog editor since approval of the last Minor Change Bulletin. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	Revise Drop	Current	Proposed	Effective Date
CE	320	Revise	Construction Materials 3 (2-3) Course Prerequisite: CE 211 with a C or better; CE 215 with a C or better; COM 400 or concurrent enrollment; certified major in Civil Engineering. Introduction to construction materials and their behaviors; characteristics of the primary materials used in civil engineering; steel, aluminum, Portland cement, admixtures, aggregates, Portland cement concrete, masonry, and wood; laboratory tests to evaluate the physical and mechanical properties of commonly used construction materials.	Construction Materials 3 (2-3) Course Prerequisite: CE 211 with a C or better; CE 215 with a C or better; COM 400 or concurrent enrollment, or <u>ENGLISH 402 or concurrent enrollment</u> ; certified major in Civil Engineering. Introduction to construction materials and their behaviors; characteristics of the primary materials used in civil engineering; steel, aluminum, Portland cement, admixtures, aggregates, Portland cement concrete, masonry, and wood; laboratory tests to evaluate the physical and mechanical properties of commonly used construction materials.	8-18
CHE	301	Revise	Chemical Engineering Thermodynamics 3 Course Prerequisite: CHE 201 with a C or better; CHEM 331 with a C or better or concurrent enrollment; certified Chemical Engineering major. Basic concepts and laws; property relationships; compression and liquefaction; phase equilibria; reaction equilibria; applications in stagewise processing.	Chemical Engineering Thermodynamics 3 Course Prerequisite: CHE 201 with a C or better; <u>CHE 211 with a C or better or concurrent enrollment</u> ; CHEM 331 with a C or better or concurrent enrollment; certified Chemical Engineering major. Basic concepts and laws; property relationships; compression and liquefaction; phase equilibria; reaction equilibria; applications in stagewise processing.	8-18

CPT S	415	Revise	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).	Big Data 3 Course Prerequisite: CPT S 215, 223, or 233, with a C or better. Big data models, databases and query languages, modern distributed database systems and algorithms. (Crosslisted course offered as CPT S 415, CS 415).	5-18
CROP SCI / BIOLOGY / HORT / PL P	545		Statistical Genomics 3 (2-3) Develop concepts and analytical skills for modern breeding by using Genome-Wide Association Study and genomic prediction in framework of mixed linear models and Bayesian approaches. (Crosslisted course offered as CROP SCI 545, HORT 545, PL P 545.) Recommended preparation: BIOLOGY 474; MBIOS 478.	Statistical Genomics 3 (2-3) Develop concepts and analytical skills for modern breeding by using Genome-Wide Association Study and genomic prediction in framework of mixed linear models and Bayesian approaches. (Crosslisted course offered as CROP SCI 545, BIOLOGY 545, HORT 545, PL P 545.) Recommended preparation: BIOLOGY 474; MBIOS 478.	8-18
ENVR SCI	406	Drop	Introduction to Radiological Science 3 Fundamentals of atomic physics; interactions of radiation with matter; radiation dosimetry and biology, radioecology and radiological health protection. Recommended preparation: 12 semester hours from any 2 or more of the following subjects: biology, chemistry, calculus, or physics.	--N/A--	8-18
ENVR SCI	504	Drop	Ecosystem Management 3 Analysis of ecosystem processes; dual emphasis on ecological principles and development of methods and concepts to evaluate policies for management.	--N/A--	8-18
ENVR SCI	522	Drop	Radiation Biology and Ecology 3 Biology and physics of the irradiation of living systems, using past and present radiological studies as examples. Required preparation: 3 hours of general biology; ENVR SCI 406.	--N/A--	8-18
ENVR SCI	523	Drop	Environmental and Internal Dosimetry 3 (2-3) Critical analysis of environmental and	--N/A--	8-18

			individual radiation doses, including use of dose estimation models based on international standards. Required preparation: ENVR SCI 406.		
FINE ART	102	Revise	[ARTS] Visual Concepts I 3 (0-6) Introduction to visual and conceptual studio art practice through an interdisciplinary approach to two-dimensional space.	[ARTS] <u>2D Art and Design 3</u> (0-6) Introduction to <u>two-dimensional art and design through an interdisciplinary approach using a combination of manual methods, digital imaging technologies, and machine tools.</u>	8-18
FINE ART	103	Revise	[ARTS] Visual Concepts II 3 (0-6) Introduction to visual and conceptual studio art practice through an interdisciplinary approach to three-dimensional space.	[ARTS] <u>3D Art and Design 3</u> (0-6) Introduction to <u>three-dimensional art and design through an interdisciplinary approach using a combination of manual methods, digital imaging technologies, and machine tools.</u>	8-18
SOC	553	Revise	Social Organization and the Family 3 The family as a social institution; principles of social organization applied to family relationships; macro-level analyses of family structure.	Social Organization and the Family 3 The family as a social institution; principles of social organization applied to family relationships; macro-level analyses of family structure. <u>Cooperative: Open to UI degree-seeking students.</u>	8-18
SPMGT	579	Revise	Sport Media and Communication 3 Explores and critically examines the role of media and communication in contemporary sports and society. Recommended preparation: SPMGT 379 or equivalent.	<u>Mass Communication in Sport Management 3 Mass media functions and effects, public relations, and advertising for sport organizations. Required preparation: MKTG 360, SPMGT 464, or equivalent marketing course.</u>	1-19