

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 11
Spring 2018**

---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
COMJOUR	487	New	--N/A--	Sports Journalism 3 Course Prerequisite: COM 300; certified in any major; junior standing. Writing-intensive course with a focus on writing, reporting, and coverage of sports; students cover sporting events, conduct interviews, and attend news conferences outside of class. Typically offered Fall and Spring.	8-18
CPT S	487	Revise	Software Design and Architecture 3 Course Prerequisite: CPT S 321 with a C or better; CPT S 322 with a C or better; certified major in Computer Science, Computer Engineering, Electrical Engineering, or Software Engineering. Software design; design principles, patterns, and anti-patterns; design quality attributes and evaluation; architectural styles, architectural patterns and anti-patterns.	Software Design and Architecture 3 Course Prerequisite: CPT S 321 with a C or better; CPT S 322 with a C or better; certified major in Computer Science, Computer Engineering, Electrical Engineering, or Software Engineering. Software design; design principles, patterns, and anti-patterns; design quality attributes and evaluation; architectural styles, architectural patterns and anti-patterns. <u>Credit not granted for both CPT S 487 and CPT S 587. Typically offered Fall and Spring</u>	1-18
ENGLISH	102	Revise	Writing Tutorial 1 (0-3) May be repeated for credit; cumulative maximum 5 hours. Student-centered group tutorial focusing on writing improvement usually connected to the ENGLISH 101 course.	Writing Tutorial 1 Student-centered group tutorial focusing on writing improvement; <u>concurrently</u> connected to the ENGLISH 101 course. Typically offered Fall, Spring, and Summer. S, F grading.	8-18

			Typically offered Fall, Spring, and Summer. S, F grading.		
HISTORY/ ASIA	478	New	--N/A--	[M] The Two Koreas in the Modern World 3 Course Prerequisite: Junior Standing. Korean history, society, and culture with an emphasis on the two Koreas' standing within the global order. Crosslisted course offered as HISTORY 478, ASIA 478. Typically offered Odd Years - Spring.	8-18
PSYCH	348	New	--N/A--	Forensic and Legal Psychology 3 Introduction to the ways in which psychological science is used to inform the legal system. Recommended preparation: PSYCH 105. Typically offered Fall and Spring.	1-19
SOC	103	New	--N/A--	[COMM] Social Psychology of Communication 3 Use of social psychological principles to communicate effectively with diverse audiences. Typically offered Fall.	8-18
SOE	207	Revise	Geology Field Camp 3 (0-9) Course Prerequisite: GEOLOGY 101; GEOLOGY 210. Introduction to geologic field methods; basic geologic mapping. Typically offered Summer Session.	Geology Field Camp 3 (0-9) Course Prerequisite: <u>SOE 101; SOE 210.</u> Introduction to geologic field methods; basic geologic mapping. (Formerly <u>GEOLOGY 307</u>). Typically offered Summer Session.	8-18
SOE	315	Revise	Water and the Earth 3 (2-3) Course Prerequisite: CHEM 102 or 106; ENVR SCI 102; one of MATH 108, 140, 171, 172, 182, 201, 202, ENGR 107, or a minimum ALEKS math placement score of 70%; and one of GEOLOGY 101; GEOLOGY 102; PHYSICS 101, or PHYSICS 201. Global hydrologic cycle, including rivers and weathering, groundwater, rainwater and the atmosphere, oceans, human impacts. Field research required. Typically offered Spring.	Water and the Earth 3 (2-3) Course Prerequisite: CHEM 102 or 106; one of MATH 108, 140, 171, 172, 182, 201, 202, ENGR 107, or a minimum ALEKS math placement score of 70%; one of <u>SOE 101, SOE 102, PHYSICS 101, or PHYSICS 201.</u> Global hydrologic cycle, including rivers and weathering, groundwater, rainwater and the atmosphere, oceans, human impacts. Field research required. (Formerly <u>GEOLOGY 315</u>). Typically offered Spring.	8-18

SOE	340	Revise	[M] Structural Geology 4 (3-3) Course Prerequisite: GEOLOGY 210; MATH 107. Basic understanding and techniques of working in deformed rocks in mountain belts. Field trip required. Typically offered Spring.	[M] Structural Geology 4 (3-3) Course Prerequisite: <u>MATH 106; MATH 108; SOE 210.</u> Basic understanding and techniques of working in deformed rocks in mountain belts. Field trip required. <u>(Formerly GEOLOGY 340).</u> Typically offered Spring.	8-18
SOE	390	Revise	Living on the Edge: Global Climate Change and Earth History 3 Course Prerequisite: Junior standing. Global earth system: ocean, earth, atmosphere, biosphere, and cryosphere; human impact on the climate system; climate change data predictions; debates.	Living on the Edge: Global Climate Change and Earth History 3 Course Prerequisite: Junior standing. Global earth system: ocean, earth, atmosphere, biosphere, and cryosphere; human impact on the climate system; climate change data predictions; debates. <u>(Formerly GEOLOGY 390).</u>	8-18
SOE	408	Revise	[CAPS] [M] Field Geology 3 (0-9) Course Prerequisite: GEOLOGY 307; GEOLOGY 340; GEOLOGY 350; senior standing. Advanced field problems and methods; data interpretation and report preparation. Typically offered Summer Session. Cooperative: Open to UI degree-seeking students.	[CAPS] [M] Field Geology 3 (0-9) Course Prerequisite: <u>SOE 207; SOE 340; SOE 350;</u> senior standing. Advanced field problems and methods; data interpretation and report preparation. <u>(Formerly GEOLOGY 408).</u> Typically offered Summer Session. Cooperative: Open to UI degree-seeking students.	8-18
SOE	435	Revise	Wildlife Ecology 4 (3-3) Course Prerequisite: BIOLOGY 372 or NATRS 300; STAT 212 or 412; junior standing. The ecology of wildlife species and the contributing biological processes. Overnight field trip required. Offered at 400 and 500 level. Typically offered Fall.	Wildlife Ecology 4 (3-3) Course Prerequisite: <u>BIOLOGY 372 or SOE 300;</u> STAT 212 or 412; junior standing. The ecology of wildlife species and the contributing biological processes. Overnight field trip required. <u>(Formerly NATRS 435).</u> Typically offered Fall.	8-18
SOE	450	Revise	[M] Conservation Biology 3 Course Prerequisite: Junior standing. Patterns of biological diversity, factors producing changes in diversity, values of diversity, management principles applied to small populations, protected areas, landscape linkages, biotic	[M] Conservation Biology 3 Course Prerequisite: Junior standing. Patterns of biological diversity, factors producing changes in diversity, values of diversity, management principles applied to small populations, protected areas, landscape linkages, biotic	8-18

			integrity, restoration, legal issues and funding sources. Credit not granted for both NATRS 450 and NATRS 550. Offered at 400 and 500 level. Typically offered Spring.	integrity, restoration, legal issues and funding sources. (Formerly NATRS 450/550). Typically offered Spring.	
SOE	461	Revise	Watershed Management 3 Principles and practices of management of forest and rangelands for protection, maintenance, and improvement of water resource values. Field trip required. Recommended preparation: NATRS 204 or sufficient background in spreadsheets. Offered at 400 and 500 level. Typically offered Spring.	Watershed Management 3 Principles and practices of management of forest and rangelands for protection, maintenance, and improvement of water resource values. Field trip required. Recommended preparation: <u>SOE 204</u> or sufficient background in spreadsheets. (Formerly <u>NATRS 460/560</u>). Typically offered Spring.	8-18
SOE	465	Revise	Aquatic Microbial Ecology 2 Course Prerequisite: BIOLOGY 372; by permission of the instructor. Biological, ecological and environmental impact of microbes in aquatic systems.	Aquatic Microbial Ecology 2 Course Prerequisite: BIOLOGY 372. Biological, ecological and environmental impact of microbes in aquatic systems. (Formerly <u>ENVR SCI 465</u>).	8-18
SOE	470	Revise	Introduction to Economic Geology 3 (2-3) Course Prerequisite: GEOLOGY 340; GEOLOGY 350. Genesis, evolution and tectonic setting of ore deposits combining theory, description, and detailed hand specimen analysis. Field trip to major mining districts. Typically offered Fall and Spring. Cooperative: Open to UI degree-seeking students.	Introduction to Economic Geology 3 (2-3) Course Prerequisite: <u>SOE 340; SOE 350.</u> Genesis, evolution and tectonic setting of ore deposits combining theory, description, and detailed hand specimen analysis. Field trip to major mining districts. (Formerly <u>GEOLOGY 470</u>). Typically offered Fall and Spring. Cooperative: Open to UI degree-seeking students.	8-18
SOE	485	Revise	Disturbance Ecology 3 (2-3) Course Prerequisite: NATRS 204; NATRS 301; NATRS 302 or concurrent enrollment. Fire, disease, and other disturbances are primary drivers of structure and composition in terrestrial ecosystems; study of management of insect outbreaks and fungal organisms in combination with fire and other	Disturbance Ecology 3 (2-3) Course Prerequisite: <u>SOE 204; SOE 301; SOE 302</u> or concurrent enrollment. Fire, disease, and other disturbances are primary drivers of structure and composition in terrestrial ecosystems; study of management of insect outbreaks and fungal organisms in combination with fire and other	8-18

			disturbances. Typically offered Spring.	disturbances. (Formerly NATRS 485). Typically offered Spring.	
SOE	498	Revise	Seminar 1 May be repeated for credit; cumulative maximum 3 hours. Research papers presented by students, faculty, and visiting scientists on geological research. Credit not granted for both GEOLOGY 498 and GEOLOGY 598 . Offered at 400 and 500 level. Typically offered Fall and Spring. S, F grading.	Seminar 1 May be repeated for credit; cumulative maximum 3 hours. Research papers presented by students, faculty, and visiting scientists on geological research. Credit not granted for both <u>SOE 498</u> and <u>SOE 598</u> . Offered at 400 and 500 level. (Formerly <u>GEOLOGY 498/598</u>). Typically offered Fall and Spring. S, F grading.	8-18
SOE/CE	475	Revise	Groundwater 3 (2-3) Course Prerequisite: CE 317 or GEOLOGY 315 ; MATH 140 or concurrent enrollment, or MATH 172 or 182 or concurrent enrollment. Introduction to groundwater occurrence, movement, quality, and resource management, emphasizing physical and biogeochemical principles. Field trip required. (Crosslisted course offered as GEOLOGY 475 , CE 475). Typically offered Fall. Cooperative: Open to UI degree-seeking students.	Groundwater 3 (2-3) Course Prerequisite: CE 317 or <u>SOE 315</u> ; MATH 140 or concurrent enrollment, or MATH 172 or 182 or concurrent enrollment. Introduction to groundwater occurrence, movement, quality, and resource management, emphasizing physical and biogeochemical principles. Field trip required. (Crosslisted course offered as <u>SOE 475</u> , CE 475). (<u>SOE 475</u> formerly <u>GEOLOGY 475</u>). Typically offered Fall. Cooperative: Open to UI degree-seeking students.	8-18
SPANISH	208	New	--N/A--	Spanish for Heritage Speakers 4 Course Prerequisite: By instructor permission. Formal aspects of basic grammar combined with a strong writing component for language skills reinforcement in writing and speaking. For heritage/native speakers only.	8-18
WOMEN ST	<u>301</u>	Revise	Introduction to Critical Race Feminism 3 Course Prerequisite: Junior standing. Studies structural inequalities in the US through historically grounded analysis of social systems, race, gender, and the law.	Introduction to Critical Race Feminism 3 Studies structural inequalities in the US through historically grounded analysis of social systems, race, gender, and the law. (<u>Formerly WOMEN ST 408</u>)	8-18