

GRADUATE MAJOR CHANGE BULLETIN NO. 10

Spring 2018

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
AMDT	550	New	--N/A--	Social Networking and Omni-channel Retailing 3 Analysis of social networking technology and consumer trends, industry practices, and marketing strategies that comprise omni-channel retailing; assessment and solution of market challenges; presentation of academic research. Typically offered Fall.	8-18
BIOLOGY	549	New	--N/A--	Behavioral Ecology 3 Examination of animal behavior from evolutionary and ecological perspectives. Typically offered Even Years - Fall.	1-19
COMHLTH	570	New	--N/A--	Health Communication and Behavior Change 3 Course Prerequisite: Admitted to the online master's program in Health Communication and Promotion. Application of behavior change theories to construction and evaluation of health communication campaigns. Typically offered Fall, Spring, and Summer.	8-18
COMHLTH	572	New	--N/A--	Communicating Health to Specialized Populations 3 Course Prerequisite: Admitted to the online master's program in Health Communication and Promotion. Literature and theory of cross-cultural communication and cultural	8-18

				aspects of health. Typically offered Fall, Spring, and Summer.	
CPT S	587	New	--N/A--	Software Design and Architecture 3 Software design; design principles, patterns, and anti-patterns; design quality attributes and evaluation; architectural styles, architectural patterns and anti-patterns. Credit not granted for both CPT S 487 and CPT S 587. Typically offered Fall and Spring	8-18
<u>SOE</u>	501	Revise	Graduate Skills Seminar 1 Seminar designed to introduce first year graduate students to the science graduate program; roles and responsibilities of graduate students, teaching assistants and researchers. S, F grading.	Graduate Skills Seminar 1 Seminar designed to introduce first year graduate students to the science graduate program; roles and responsibilities of graduate students, teaching assistants and researchers. (Formerly ENVR SCI 501). S, F grading.	8-18
SOE	505	New	--N/A--	Geodynamics 4 (3-3) Overview of topics in geodynamics including conductive and convective heat transfer, mantle convection, plate flexure, faulting, and plate tectonics. Recommended preparation: Calculus and introductory physics. Typically offered Fall.	8-18
<u>SOE</u>	531	Revise	Fundamentals of Environmental Toxicology 3 Fundamentals of toxicology; environmental fate and biological deposition and effects of natural products, drugs, food chemicals, and pollutants. Typically offered Fall.	Fundamentals of Environmental Toxicology 3 Fundamentals of toxicology; environmental fate and biological deposition and effects of natural products, drugs, food chemicals, and pollutants. (Formerly ENVR SCI 531). Typically offered Fall.	8-18
<u>SOE</u>	541	Revise	Orogenic Systems 3 (2-3) Detailed analysis of the construction of mountain belts. Field trip required. Recommended preparation: B.S. in Geology or related field. Typically offered Fall.	Orogenic Systems 3 (2-3) Detailed analysis of the construction of mountain belts. Field trip required. Recommended preparation: B.S. in Geology or related field. (Formerly GEOLOGY 541). Typically offered Fall.	8-18

			Cooperative: Open to UI degree-seeking students.	Cooperative: Open to UI degree-seeking students.	
<u>SOE</u>	562	Revise	Watershed Biogeochemistry 3 Sources, transformations, fates and impacts of biogeochemically important compounds as they move downstream through watersheds to the coastal zone.	Watershed Biogeochemistry 3 Sources, transformations, fates and impacts of biogeochemically important compounds as they move downstream through watersheds to the coastal zone. (<u>Formerly GEOLOGY 562</u>).	8-18
<u>SOE</u>	584	Revise	Stable Isotope Geochemistry 3 Principles and applications of isotope geochemistry in the geological sciences. Typically offered Fall and Spring. Cooperative: Open to UI degree-seeking students.	Stable Isotope Geochemistry 3 Principles and applications of isotope geochemistry in the geological sciences. (<u>Formerly GEOLOGY 584</u>). Typically offered Fall and Spring. Cooperative: Open to UI degree-seeking students.	8-18
<u>SOE</u>	592	Revise	Special Topics V 1-4 May be repeated for credit; cumulative maximum 4 hours. Typically offered Fall and Spring.	Advanced Topics in Environmental and Natural Resource Sciences V 1-4 May be repeated for credit; cumulative maximum 4 hours. Course Prerequisite: By instructor permission. (<u>Formerly ENVR SCI 592</u>). Typically offered Fall and Spring.	8-18
<u>SOE</u>	593	Revise	Seminar in Environmental Science and Regional Planning 1 May be repeated for credit; cumulative maximum 8 hours. Typically offered Spring.	Graduate Seminar in Earth and Environmental Sciences 1 May be repeated for credit; cumulative maximum 8 hours. (<u>Formerly ENVR SCI 593</u>). Typically offered Spring.	8-18
<u>SOE</u>	594	Revise	Environmental and Natural Resources Issues and Ethics 3 Ethical systems applied to natural resources; issues of professionalism and ethics in natural resource management. Typically offered Spring. Cooperative: Open to UI degree-seeking students.	Environmental and Natural Resources Issues and Ethics 3 Ethical systems applied to natural resources; issues of professionalism and ethics in natural resource management. (<u>Formerly NATRS 594</u>). Typically offered Spring. Cooperative: Open to UI degree-seeking students.	8-18
<u>SOE</u>	598	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	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	8-18

			GEOLOGY 498 and GEOLOGY 598. Offered at 400 and 500 level. Typically offered Fall and Spring. S, F grading.	granted for both <u>SOE 498</u> and <u>SOE 598</u> . Offered at 400 and 500 level. (Formerly GEOLOGY 498/598) Typically offered Fall and Spring. S, F grading.	
<u>SOE</u>	600	Revise	Special Projects or Independent Study V 1-18 May be repeated for credit. Independent study, special projects, and/or internships. Students must have graduate degree-seeking status and should check with their major advisor before enrolling in 600 credit, which cannot be used toward the core graded credits required for a graduate degree. Typically offered Fall, Spring, and Summer. S, F grading.	Special Projects or Independent Study V 1-18 May be repeated for credit. Independent study, special projects, and/or internships. Students must have graduate degree-seeking status and should check with their major advisor before enrolling in 600 credit, which cannot be used toward the core graded credits required for a graduate degree. (<u>Formerly ENVR SCI 600</u>). Typically offered Fall, Spring, and Summer. S, F grading.	8-18
<u>SOE</u>	700	Revise	Master's Research, Thesis, and/or Examination V 1-18 May be repeated for credit. Independent research and advanced study for students working on their master's research, thesis and/or final examination. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 700 credit. Typically offered Fall, Spring, and Summer. S, U grading.	Master's Research, Thesis, and/or Examination V 1-18 May be repeated for credit. Independent research and advanced study for students working on their master's research, thesis and/or final examination. Students must have graduate degree-seeking status and should check with their major advisor/committee chair before enrolling for 700 credit. (<u>Formerly ENVR SCI 700</u>). Typically offered Fall, Spring, and Summer. S, U grading.	8-18
<u>SOE</u>	702	Revise	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.	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.	8-18

			Typically offered Fall, Spring, and Summer. S, U grading.	(Formerly ENVR SCI 702). Typically offered Fall, Spring, and Summer. S, U grading.	
<u>SOE</u>	800	Revise	<p>Doctoral Research, Dissertation, and/or Examination V 1-18 May be repeated for credit. Course Prerequisite: Admitted to the Environmental and Natural Resource Sciences 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.</p>	<p>Doctoral Research, Dissertation, and/or Examination V 1-18 May be repeated for credit. Course Prerequisite: <u>Admitted to a School of the Environment PhD program.</u> 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. (Formerly ENVR SCI 800). Typically offered Fall, Spring, and Summer. S, U grading.</p>	8-18