

**UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 8  
Spring 2018**

**---COURSES---**

**Faculty Senate approved February 8, 2018**

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.

<b>Subject</b>	<b>Course Number</b>	<b>New Revise Drop</b>	<b>Current</b>	<b>Proposed</b>	<b>Effective Date</b>
ARCH	401	Revise	<b>Architectural Design V 5 (0-10)</b> Course Prerequisite: <del>Certified major in Architecture; ARCH 303</del> . Advanced architectural design focusing on technology, systems and crafts of buildings. Travel for site visit required. Typically offered Fall.	<b>Architectural Design V 6 (0-12)</b> Course Prerequisite: <u>ARCH 303; certified major in Architecture</u> . Advanced architectural design focusing on technology, systems and crafts of buildings. Travel for site visit required. Typically offered Fall.	8-18
ARCH	403	Revise	<b>[CAPS] Comprehensive Design Studio I 5 (0-10)</b> Course Prerequisite: ARCH 401; certified major in Architecture; senior standing. Integrated capstone studio focusing on design and construction documents, costs, and specifications. Travel to site may be required. Typically offered Spring.	<b>[CAPS] Comprehensive Design Studio I 6 (0-12)</b> Course Prerequisite: ARCH 401; certified major in Architecture; senior standing. Integrated capstone studio focusing on design and construction documents, costs, and specifications. Travel to site may be required. Typically offered Spring.	1-19
CHE	422	New	--N/A--	<b>Catalysis: From Fundamentals to Industrial Applications 3</b> Course Prerequisite: CHE 301 with a C or better; CHE 321 with a C or better. An introduction to modern catalysis systems for chemical engineers, with an emphasis on heterogeneous catalysis. Typically offered Spring.	1-18
CHE	463	New	--N/A--	<b>Introduction to Upstream/Midstream Technology 3</b> Course Prerequisite: CHE 301. An introduction for chemical	5-18

				engineers to oil and gas exploration, production, transportation, and storage. Typically offered Fall.	
<b>ENTOM/ <u>SOE</u></b>	<b>460</b>	<b>Revise</b>	<b>Biotechnology and the Environment</b> 3 Course Prerequisite: BIOLOGY 106, 107, or 120; 3 credit hours CHEM. Benefits, regulations, and human and environmental impacts of biotechnology used for crop protection, agricultural and energy production, and environmental remediation and management. (Crosslisted course offered as ENTOM 460, <del>ENVR-SCI 460</del> ). Typically offered Fall.	<b>Biotechnology and the Environment</b> 3 Course Prerequisite: BIOLOGY 106, 107, or 120; 3 credit hours CHEM. Benefits, regulations, and human and environmental impacts of biotechnology used for crop protection, agricultural and energy production, and environmental remediation and management. (Crosslisted course offered as ENTOM 460, <u>SOE 460</u> ). ( <u>SOE 460</u> formerly ENVR SCI 460). Typically offered Fall.	<b>8-18</b>
<b>HBM</b>	<b>496</b>	<b>New</b>	--N/A--	<b>Special Topics V 1-3</b> May be repeated for credit; cumulative maximum 6 hours. Course Prerequisite: ACCT 230; certified major in the College of Business, or certified minor in Hospitality Business Management. Typically offered Fall and Spring.	<b>8-18</b>
<b>KINES</b>	<b>399</b>	<b>New</b>	--N/A--	<b>Coaching Principles</b> 3 Course Prerequisite: KINES 201 or SPMGT 101 or concurrent enrollment; SPMGT 290 or concurrent enrollment. Coaching principles, strategies, administrative duties, and leadership; preparation for certification in the American Sport Education Program (ASEP) and the National Youth Sport Coaches Association (NYSCA) certifications for youth sport coaching. Typically offered Spring and Summer.	<b>8-18</b>
<b>NAV SCI</b>	<b>299</b>	<b>Restore</b>	<b>Directed Study V 1-2</b> May be repeated for credit; cumulative maximum 12 hours. By interview only. <del>Cooperative course taught by UI, open to WSU students (NS 299).</del>	<b>Directed Study V 1-2</b> May be repeated for credit; cumulative maximum 12 hours. <u>Course Prerequisite:</u> By interview only. <u>Typically offered Fall and Spring.</u>	<b>1-18</b>
<b>PSYCH</b>	<b>497</b>	<b>Revise</b>	<b>Instructional Practicum V 1-4</b> May be repeated for credit;	<b>Instructional Practicum V 1-4</b> May be repeated for credit. Course	<b>8-18</b>

			<del>cumulative maximum 4 hours.</del> Course Prerequisite: By permission only. Typically offered Fall, Spring, and Summer. S, F grading.	Prerequisite: By permission only. Typically offered Fall, Spring, and Summer. S, F grading.	
<b>PSYCH</b>	<b>498</b>	<b>Revise</b>	<b>Research Participation V 1-4</b> May be repeated for credit; <del>cumulative maximum 8 hours.</del> Course Prerequisite: By permission only. Participation in the current research of departmental faculty. Typically offered Fall, Spring, and Summer. S, F grading.	<b>Research Participation V 1-4</b> May be repeated for credit. Course Prerequisite: By permission only. Participation in the current research of departmental faculty. Typically offered Fall, Spring, and Summer. S, F grading.	<b>8-18</b>
<u><b>SOE</b></u>	<b>250</b>	<b>Revise</b>	<b>[PSCI] Introduction to Earth System Science 3 Course</b> Prerequisite: <del>ENVR SCI 104.</del> Earth's fundamental systems (the geo-, atmo-, hydro-, and bio-spheres) in the context of global change. Recommended: <del>BIOLOGY 106 or CHEM 105.</del> Typically offered Spring.	<b>[PSCI] Introduction to Earth System Science 3 Course</b> Prerequisite: <u>SOE 110 or BIOLOGY 106, each with a C or better.</u> Earth's fundamental systems (the geo-, atmo-, hydro-, and bio-spheres) in the context of global change. Recommended: <u>CHEM 101 or 105. (Formerly ENVR SCI 250).</u> Typically offered Spring.	<b>8-18</b>
<u><b>SOE</b></u>	<b>285</b>	<b>Revise</b>	<b>The Science and Policy of Climate Change 3 Course</b> Prerequisite: <del>ENVR SCI 104.</del> The science of the climate system; the case for reducing greenhouse gas emissions, and the best policies to do so. Typically offered Fall and Spring.	<b>The Science and Policy of Climate Change 3 Course</b> Prerequisite: <u>SOE 110.</u> The science of the climate system; the case for reducing greenhouse gas emissions, and the best policies to do so. <u>(Formerly ENVR SCI 285).</u> Typically offered Fall and Spring.	<b>8-18</b>
<u><b>SOE</b></u>	<b>300</b>	<b>Revise</b>	<b>Natural Resource Ecology 3</b> Ecology as applied to management of natural resource ecosystems; biological diversity, conservation biology, global climate change in natural resource ecology. Field trips required. Typically offered Fall and Spring.	<b>Natural Resource Ecology 3</b> Ecology as applied to management of natural resource ecosystems; biological diversity, conservation biology, global climate change in natural resource ecology. Field trips required. <u>(Formerly NATRS 300).</u> Typically offered Fall and Spring.	<b>8-18</b>
<u><b>SOE</b></u>	<b>304</b>	<b>Revise</b>	<b>Ecosystem Field Measurements 4 (3-3) Course</b> Prerequisites: <del>NATRS 204; NATRS 300 or concurrent enrollment; NATRS 301 or concurrent enrollment.</del> Fixed-area sampling and analytical techniques for assessing	<b>Ecosystem Field Measurements 4 (3-3) Course</b> Prerequisites: <u>SOE 204; SOE 300 or concurrent enrollment; SOE 301 or concurrent enrollment.</u> Fixed-area sampling and analytical techniques for assessing count and	<b>8-18</b>

			count and continuous variables are presented; variable radius sampling methods for forests and biomass estimation procedures for grassland and shrub lands are introduced. Typically offered Fall.	continuous variables are presented; variable radius sampling methods for forests and biomass estimation procedures for grassland and shrub lands are introduced. (Formerly NATRS 304). Typically offered Fall.	
<u>SOE</u>	318	Revise	<b>Wildlife Genetics</b> 3 Course Prerequisite: BIOLOGY 106; BIOLOGY 107; MATH 106- <del>or</del> 107. Application of genetic tools for wildlife conservation and management, including forensics, detection of rare species, and population estimation. Typically offered Even Years - Fall. Cooperative: Open to UI degree-seeking students.	<b>Wildlife Genetics</b> 3 Course Prerequisite: BIOLOGY 106; BIOLOGY 107; MATH 106. Application of genetic tools for wildlife conservation and management, including forensics, detection of rare species, and population estimation. (Formerly NATRS 318). Typically offered Even Years - Fall. Cooperative: Open to UI degree-seeking students.	8-18
<u>SOE</u>	335	Revise	[M] <b>Environmental Policy</b> 3 Course Prerequisite: <del>ENVR SCI 101</del> . Global, national, and regional environmental issues and policy.	[M] <b>Environmental Policy</b> 3 Course Prerequisite: <u>SOE 110</u> . Global, national, and regional environmental issues and policy. (Formerly ENVR SCI 335).	8-18
<u>SOE</u>	402	Revise	<del><b>Human Health &amp; the Environment</b></del> 3 Problem-solving approach to adverse effects on human health caused by contamination of environmental media or anthropogenic changes in ecosystems.	<b>Human Health and the Environment</b> 3 Problem-solving approach to adverse effects on human health caused by contamination of environmental media or anthropogenic changes in ecosystems. (Formerly ENVR SCI 402).	8-18
<u>SOE</u>	404	Revise	[CAPS] [M] <b>The Ecosystem</b> 3 Course Prerequisite: <del>ENVR SCI 101</del> ; BIOLOGY 106; BIOLOGY 372 or concurrent enrollment; junior standing. Ecosystem organization and processes; theory and applications to contemporary environmental problems.	[CAPS] [M] <b>The Ecosystem</b> 3 Course Prerequisite: <u>SOE 110</u> ; BIOLOGY 106; BIOLOGY 372 or concurrent enrollment; junior standing. Ecosystem organization and processes; theory and applications to contemporary environmental problems. (Formerly ENVR SCI 404).	8-18
<u>SOE</u>	483	Revise	<b>Sustainability: Applied Improvement or Promotion Projects</b> 3 Course Prerequisite: <del>Senior standing</del> ; minimum 3 credits of [PSCI] or [BSCI]. An applied multidisciplinary introduction to sustainability; classroom learning followed with	<b>Sustainability: Applied Improvement or Promotion Projects</b> 3 Course Prerequisite: <u>Minimum 3 credits of [PSCI] or [BSCI]; senior standing</u> . An applied multidisciplinary introduction to sustainability; classroom learning followed with	8-18

			an applied sustainability improvement or promotion project for Washington State University. Typically offered Spring.	an applied sustainability improvement or promotion project for Washington State University. (Formerly ENVR SCI 483). Typically offered Spring.	
<b><u>SOE</u></b>	<b>491</b>	<b>Revise</b>	<b>Senior Seminar 1 Course</b> Prerequisite: <del>Certified major in Environmental Science and Regional Planning</del> ; senior standing, <del>or graduate standing</del> . Typically offered Spring.	Senior Seminar 1 Course Prerequisite: <u>Senior standing</u> . <u>Recommended preparation:</u> <u>Certification in a science, mathematics, or engineering program. (Formerly ENVR SCI 491).</u> Typically offered Spring.	<b>8-18</b>