

GRADUATE MAJOR CHANGE BULLETIN NO. 3

Fall 2024

Faculty Senate approved November 14, 2024

Course information under the heading titled *Current* will show strikethroughs for deletions, and text under *Proposed* will show underlines for additions. The column to the far right indicates the date each change becomes effective.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
ARCH	521	New	--N/A--	Envelope Assemblies 3 Foundational knowledge in enclosure assembly history, types, control layers, life cycle assessment, and impact on building performance culminating in an assembly design for high-performing residential occupancy buildings. Credit not granted for both ARCH 421 and 521. Typically offered Fall.	8-25
CPT S	581	Revise	Software Maintenance 3 Software maintenance, refactoring, reengineering, reverse engineering.	Software Maintenance 3 Software maintenance, refactoring, reengineering, reverse engineering. <u>Credit not granted for both CPT S 481 and 581.</u> Typically offered Spring.	8-25
ED PSYCH	512	Revise	512 Data Management and Visualization 2 The art and science of displaying and summarizing relationships, identifying patterns, trends, and distributions in datasets.	512 Data Management and Visualization 3 The art and science of displaying and summarizing relationships, identifying patterns, trends, and distributions in datasets.	1-25
MUS	581	New	--N/A--	Foundations of Music Education 2 An examination of the historical, philosophical, and sociological foundations of music education in the United States. Typically offered Odd Years - Fall.	8-25
PL P	521	Revise	General Mycology 3 The structure, life histories, classification, and economic importance of the fungi. Typically offered Odd Years - Fall. Cooperative: Open to UI degree-seeking students.	General Mycology 3 The structure, life histories, classification, and economic importance of fungi. <u>Credit not granted for both PL P 421 and 521.</u> Typically offered Odd Years - Fall. Cooperative: Open to UI degree-seeking students.	8-25

PREV SCI	538	New	--N/A--	Program Implementation 3 Dissemination and Implementation (D&I) Science and how it connects with Prevention Science; translation of research to practice in improvement of implementation, sustainment, and scale-up of prevention programs. Typically offered Fall.	8-25
SOE	539	New	--N/A--	Native Science, Tribal Environmental Policy, and Collaboration 3 Native science, tribal environmental policy, and collaboration as pertaining to tribes of the Pacific Northwest region of the United States. Typically Offered Odd Years - Spring.	1-25
SOE	577	Revise	Advanced Environmental Hydrology 2 Water (ground, soil, surface, plant, atmosphere) dynamics and support of ecosystem functions and organization in natural, disturbed, and human/impacted systems. Recommended preparation: college-level physics, multivariate calculus, and introduction to hydrology. Typically offered Even Years—Fall.	<u>Environments of Stability or Collapse for Organisms and Ecosystems 3</u> Dynamics and resilience of natural and human-modified ecosystems and of their organisms, as driven by their microclimates and environmental feedbacks with water, heat, and energy balances, variability, and vulnerability; ecosystem and organism examples matched to student interests. Typically offered Odd Years - Fall.	8-25
VIT ENOL	518	New	--N/A--	Instrumental Analysis of Grapes, Wines, and Distilled Spirits 2 Course Prerequisite: By instructor permission. Lecture material and hands-on lab sessions working with both GC/MS and LC/MS systems for the analysis of complex samples of grapes, wines, and distilled spirits; meets over two weekends during the fall semester. Typically offered Fall.	8-25
VIT ENOL	519	New	--N/A--	Analysis of Chromatographic and MS Data 2 Course Prerequisite: By instructor permission. Processing of gas chromatography (GC), liquid chromatography (LC), and mass spectroscopy (MS) data from raw data files for further processing in multivariate statistical software;	8-25

				workflow development for specific mass spectrometry data types; meets over two weekends during the fall semester. Typically offered Fall.	
VIT ENOL	538	New	--N/A--	Wine Chemistry 3 Study of the chemistry and biochemistry of grapes and wines; biochemistry and physiology of grape compounds, aspects of processing including winemaking. Credit not granted for both VIT ENOL 438 and 538. Typically offered Fall.	8-25
VIT ENOL	566	New	--N/A--	Grape Ripening and Composition 3 Course Prerequisite: By instructor consent. Key biochemical and molecular aspects of primary, secondary, tertiary, and trace compounds/minerals during grape ripening and development; impact of environmental and climatic variation on grape ripening and development. Typically offered Spring.	8-25