

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 5

Fall 2022

---COURSES---

Faculty Senate approved November 17, 2022

The courses listed below reflect the undergraduate and professional major curricular changes approved by the Catalog Subcommittee. The 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. Note: Items marked {S} have been streamlined and do not require Catalog Subcommittee review.

Subject	Course Number	New Revise	Current	Proposed	Effective Date
COM	388	New	--N/A--	Strategic Sports Writing 3 Course Prerequisite: Admitted to a major or minor in the College of Communication; junior standing. Development of writing skills and communication strategies for sports promotion; requires interviews and attendance at sports events and news conference outside of class. Typically offered Spring.	8-23
COMJOUR	280	New	--N/A--	Introduction to Photojournalism 3 The history and practice of photojournalism and its impact on society; evolving technology, styles, and ethics of documentary photography and the role of visual storytelling in our understanding of news events. Typically offered Spring.	8-23
CPT S	101	New	--N/A--	Introduction to Electrical Engineering and Computer Science 1 Introduction to programs within the School of Electrical Engineering and Computer Science discussing resources, opportunities, and knowledge and skills necessary to succeed within EECS majors. Typically offered Fall and Spring.	8-23

CPT S	423	Revise	[CAPS] Software Design Project II 3 (1-6) Course Prerequisite: CPT S 421 with a C or better; admitted to the major or minor in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or Data Analytics. Laboratory/group design project for large-scale software development, requirements analysis, estimation, design, verification techniques. Typically offered Fall and Spring.	[CAPS] [M] Software Design Project II 3 (1-6) Course Prerequisite: CPT S 421 with a C or better; admitted to the major or minor in Computer Science, Computer Engineering, Electrical Engineering, Software Engineering, or Data Analytics. Laboratory/group design project for large-scale software development, requirements analysis, estimation, design, verification techniques. Typically offered Fall and Spring.	5-23
CPT S	432	New	--N/A--	[CAPS] [M] Cybersecurity Capstone Project 3 Course Prerequisite: CPT S 327; CPT S 427; CPT S 428; CPT S 455, each with a C or better; admitted to the major in Cybersecurity; senior standing. Group design project for large-scale cybersecurity development incorporating analysis, application ability, industrial skills, and adherence to cybersecurity standards. Typically offered Spring.	1-24
DTC / DATA	209	Revise	Introduction to Data Visualization 3 An introduction to the tools and methods of data visualization in multiple contexts. (Crosslisted course offered as DTC 209, DATA 209.) Typically offered Fall.	[COMM] Visualizing Data 3 <u>Introduction to the tools and methods of visually communicating data for diverse audiences and scenarios.</u> (Crosslisted course offered as DTC 209, DATA 209.) <u>Typically offered Fall and Spring</u>	8-23
FINE ART	300	New	--N/A--	Engaged Art: Making Connections and Communities 3 Practice-driven exploration of the relationship between collective art-making and civic engagement; open to any major in the Humanities with special emphasis on visual culture. Typically offered Fall.	8-23
HORT	430	New	--N/A--	Plant Molecular and Cellular Biology 4 (3-3) Course	1-23

				Prerequisite: BIOLOGY 106, 107, 120 or HORT 202; junior standing. Structure, function, and metabolism of the plant cell and organelles including cell reproduction, energy flow, metabolic and developmental integration as well as response to the environment and how they relate to agriculture; includes basic laboratory techniques. Recommended preparation: BIOLOGY 420. Typically offered Spring.	
NEP / SOC	462	New	--N/A--	Geographic Information Systems in Health and Social Sciences 3 Utilizing Geographical Information Systems (GIS) and mapping tools to examine and visualize epidemiological and social science data; assess public health, social, and policy issues including obesity, cardiovascular disease, and drug use; explore how this work can be applied to interventions. Required preparation must include a college-level statistics course. (Crosslisted course offered as NEP 462, SOC 462.) Credit not granted for both NEP 462/562 and SOC 462/562. Typically offered Spring.	8-23
SOE	465	Revise	Aquatic Microbial Ecology 2 Course Prerequisite: BIOLOGY 372. Biological, ecological and environmental impact of microbes in aquatic systems.	Aquatic Microbial Ecology 3 Course Prerequisite: BIOLOGY 372. Biological, ecological and environmental impact of microbes in aquatic systems. <u>Credit not granted for both SOE 465 and SOE 565. Offered at 400 and 500 level. Typically offered Even Years - Spring.</u>	8-23
WRITE	111	New	--N/A--	[WRTG] Writing and Reading in History 1 Introduction to writing and reading in history and related fields (art history, music history) with focus on how	8-23

				historians ask questions, answer questions, and communicate answers. Suggested corequisite: Concurrent enrollment in a lower-division history or related course (art history, music history). Typically offered Fall and Spring.	
WRITE	112	New	--N/A--	[WRTG] Writing and Reading in the Natural Sciences 1 Introduction to writing and reading in the natural sciences with focus on how natural scientists ask questions, answer questions, and communicate answers. Suggested corequisite: Concurrent enrollment in a lower-division natural science course (Astronomy, Biology, Chemistry, Entomology, Environmental Science, Physics, etc.). Typically offered Fall and Spring.	8-23
WRITE	113	New	--N/A--	[WRTG] Writing and Reading in the Social Sciences 1 Introduction to writing and reading in the social sciences with focus on how social scientists ask questions, answer questions, and communicate answers. Suggested corequisite: Concurrent enrollment in a lower-division social science course (Anthropology, Archaeology, Criminal Justice, Economic Science, Psychology, Sociology, etc.). Typically offered Fall and Spring.	8-23