

**UNDERGRADUATE MAJOR CHANGE BULLETIN NO. 3**

**Fall 2023**

**---COURSES---**

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.

<b>Subject</b>	<b>Course Number</b>	<b>New Revise</b>	<b>Current</b>	<b>Proposed</b>	<b>Effective Date</b>
<b>ART</b>	<b>336</b>	<b>New</b>	<del>--N/A--</del>	<b>Introduction to Typography 3</b> (0-6) May be repeated for credit; cumulative maximum 9 credits. Translating design concepts into typographic form and expression; exploring the interplay of type form and meaning with projects and daily challenges; communicating ideas about typography critically and fluently. Typically offered Fall, Spring, and Summer.	<b>8-24</b>
<b>ART</b>	<b>369</b>	<b>New</b>	<del>--N/A--</del>	<b>Illustration 3</b> (0-6) May be repeated for credit; cumulative maximum 9 credits. Exploring the intersection of visual art and narrative by learning how to use illustration skills to tell stories; developing skills in visual communication to create meaningful conversations and discover a personal visual language. Typically offered Fall, Spring, and Summer.	<b>8-24</b>
<b>BIO ENG</b>	<b>310</b>	<b>New</b>	<del>--N/A--</del>	<b>Bioengineering Transport Phenomena 3 Course</b> Prerequisite: CHE 201 with a C or better; MATH 315 with a C or better; BIO ENG 210, with a C or better, or concurrent enrollment. Introduction and application of the concepts of momentum, mass, and thermal energy transport in the context of problems of interest in biology, medicine, and engineering. Typically offered Fall.	<b>8-24</b>

<b>CHE</b>	<b>310</b>	<b>Revise</b>	<b>Introduction to Transport Processes 3 Course</b> Prerequisite: CHE 201 with a C or better; MATH 315 with a C or better or concurrent enrollment; BIO ENG 205 or both CHE 101 and CHE 211 with a C or better or concurrent enrollment; admitted to the major in Chem Engr or Bioenr. Fundamentals of the phenomena governing the transport of momentum, energy, and mass. (Crosslisted course offered as CHE 310, BIO ENG 310).	<b>Introduction to Transport Processes 3 Course</b> Prerequisite: CHE 201 with a C or better; MATH 315 with a C or better or concurrent enrollment; BIO ENG 205 or both CHE 101 and CHE 211 with a C or better or concurrent enrollment; admitted to the major in Chem Engr or Bioenr. Fundamentals of the phenomena governing the transport of momentum, energy, and mass. ( <del>Crosslisted course offered as CHE 310, BIO ENG 310</del> ).	<b>8-24</b>
<b>COMSTRAT</b>	<b>405</b>	<b>New</b>	--N/A--	<b>Crimson Creative: The Student Firm 3</b> May be repeated for credit; cumulative maximum 9 credits. Course Prerequisite: Application required; COM 300 with a C or better; COMSTRAT 310; COMSTRAT 312 or 380; admitted to a major in the College of Communication; junior standing. Experience working with clients as a member of an account team; development of leadership skills and a professional portfolio. Typically offered Fall, Spring, and Summer.	<b>8-24</b>
<b>GERMAN</b>	<b>321</b>	<b>Revise</b>	<b>Germanic Empires, Peoples, Places 3 Course</b> Prerequisite: GERMAN 204 with a C or better or equivalent proficiency. Introduction to German and/or Austrian culture. Taught on-site as part of a faculty-led study abroad summer program to Germany and/or Austria. Typically offered Summer Session.	<b>Germanic Empires, Peoples, Places 3</b> <u>May be repeated for credit; cumulative maximum 6 credits.</u> Course Prerequisite: GERMAN 204 with a C or better or equivalent proficiency. Introduction to German and/or Austrian culture. Taught on-site as part of a faculty-led study abroad summer program to Germany and/or Austria. Typically offered Summer Session.	<b>1-24</b>
<b>HBM</b>	<b><u>270</u></b>	<b>Revise</b>	<b>Exploring the Business of Aging 3</b> Introduction to the unique aspects of managing senior housing communities,	<b>Exploring the Business of Aging 3</b> Introduction to the unique aspects of managing senior housing communities, focusing on	<b>8-24</b>

			focusing on the social model of this hospitality-based business. Field trip required. Typically offered Fall and Spring.	the social model of this hospitality-based business. Field trip required. (Formerly HBM 375.) Typically offered Fall and Spring.	
<b>MBIOS</b>	<b>460</b>	<b>New</b>	--N/A--	<b>Advanced Interdisciplinary Molecular Biosciences (AIMS) Laboratory 3</b> (1-6) Course Prerequisite: MBIOS 201; MBIOS 304; MBIOS 360. Authentic laboratory investigations of contemporary topics from Biochemistry, Molecular Genetics, and Microbiology using a variety of model organisms; topics vary by semester and may include (but are not limited to) cell culture, protein structure and function, protein purification, detection of viruses using immunoassays, DNA isolation and transformation, DNA sequence analysis, gene editing, microscopy, and bioinformatic tools for DNA, protein, and gene expression analysis. Typically offered Fall and Spring.	<b>8-24</b>
<b>PUBHLTH</b>		<b>New</b>	--N/A--	<b>New subject/prefix "PUBHLTH" for Public Health</b>	<b>8-24</b>
<b>PUBHLTH</b>	<b>102</b>	<b>New</b>	--N/A--	<b>Introduction to Public Health Methods 4</b> (3-3) Course Prerequisite: PUBHLTH 101 or concurrent enrollment. Basic concepts, methods, and tools of public health data collection; use and analysis of evidence-based approaches in public health practice. Typically offered Spring.	<b>8-24</b>
<b>PUBHLTH</b>	<b>105</b>	<b>New</b>	--N/A--	<b>Careers in Public Health 3</b> Exploration of careers in public health with faculty. Typically offered Fall.	<b>8-24</b>
<b>PUBHLTH</b>	<b>250</b>	<b>New</b>	--N/A--	<b>Health Systems 3</b> Course Prerequisite: PUBHLTH 101. Fundamentals of the US health system and comparison to other global systems; basic concepts of legal, ethical, economic, and	<b>8-24</b>

				regulatory dimensions; influences and responsibilities of governmental agencies in public health. Typically offered Spring.	
<b>PUBHLTH</b>	<b>301</b>	<b>New</b>	<b>--N/A--</b>	<b>Population Health 3</b> Concepts of population health and the basic processes, approaches, and interventions that identify and address the major health-related needs and concerns of populations. Typically offered Fall.	<b>8-24</b>
<b>PUBHLTH</b>	<b>305</b>	<b>New</b>	<b>--N/A--</b>	<b>[M] Social and Environmental Determinants of Health 3</b> Course Prerequisite: PUBHLTH 301. Socioeconomic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities. Typically offered Spring.	<b>8-24</b>
<b>PUBHLTH</b>	<b>402</b>	<b>New</b>	<b>--N/A--</b>	<b>[M] Advanced Public Health Methods 4 (3-3)</b> Course Prerequisite: PUBHLTH 102. Advanced research methods in public health; fundamental concepts and features of project implementation including planning, assessment, and evaluation. Typically offered Fall.	<b>8-24</b>
<b>PUBHLTH</b>	<b>410</b>	<b>New</b>	<b>--N/A--</b>	<b>Public Health Administration 3</b> Course Prerequisite: PUBHLTH 305. Organization and administration of public health programs and policies. Typically offered Fall.	<b>8-24</b>
<b>PUBHLTH</b>	<b>470</b>	<b>New</b>	<b>--N/A--</b>	<b>Statistical Methods in Public Health 4 (3-3)</b> Course Prerequisite: PUBHLTH 402; STAT 212. Application and understanding of statistical methods in public health. Typically offered Spring.	<b>8-24</b>
<b>VIT ENOL</b>	<b>340</b>	<b>New</b>	<b>--N/A--</b>	<b>[M] Winery Operations and Equipment 3</b> Course Prerequisite: VIT ENOL 322. Fundamentals and practices for the unit	<b>8-24</b>

				operations and equipment involved in wine production from fruit receiving through bottling. Typically offered Spring.	
<b>VIT ENOL</b>	<b>341</b>	<b>New</b>	<b>--N/A--</b>	<b>Winery Operations and Equipment Laboratory Field Trip 1</b> (0- 3) Course Prerequisite: Concurrent enrollment in VIT ENOL 340. Week-long field trip over Spring Break to visit wineries and wine industry suppliers, specific visits vary by year but will include several wineries, at least one cooperage, and several equipment and packaging suppliers. Typically offered Spring.	<b>8-24</b>