

UNDERGRADUATE AND PROFESSIONAL MAJOR CHANGE BULLETIN NO. 10

Spring 2016

---COURSES---

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.

Subject	Course Number	New Revise Drop	Current	Proposed	Effective Date
AMDT	307	Revise	Consumer Behavior in Fashion 3 Course Prerequisite: Junior standing; certified major in Apparel, Merchandising, and Textiles. Concepts and theories from social sciences to consumer behavior research related to fashion and apparel marketing. Typically offered Spring.	Consumer Behavior in Fashion 3 Course Prerequisite: <u>AMDT 314</u> . Concepts and theories from social sciences to consumer behavior research related to fashion and apparel marketing. Typically offered Spring.	1-17
AMDT	314	Revise	Fashion Forecasting 3 Course Prerequisite: AMDT 208; AMDT 210; certified major in Apparel, Merchandising, and Textiles. Developing forecasting expertise needed to work in merchandising environment; examined through influences on acceptance and rejection of apparel/textile products. Typically offered Fall.	Fashion Forecasting 3 Course Prerequisite: <u>AMDT 210; AMDT 221; AMDT 250; AMDT 368</u> . Developing forecasting expertise needed to work in merchandising environment; examined through influences on acceptance and rejection of apparel/textile products. <u>An analysis of the forces such as socio-cultural indicators, past and present trends that influence existing trends, and the role of fashion forecasting theory and technique method in determining future trends in fashion and related industries.</u> Typically offered Fall.	8-16
AMDT / WOMEN ST	422	New	--N/A--	[DIVR] Fat Studies 3 Course Prerequisite: Junior standing. Examination of weight based oppression as a social justice issue with other systems of oppression based on gender, race, class, age, sexual orientation, and ability. (Crosslisted course offered as	8-16

				AMDT 422, WOMEN ST 422). Typically offered: Summer.	
CHEM	485	Revised	[CAPS] Senior Thesis in Chemistry 3 Course Prerequisite: Certified major in Chemistry; senior standing. Required capstone course for chemistry majors culminating in the development of a written research thesis.	[CAPS] [M] Senior Thesis in Chemistry 3 Course Prerequisite: Certified major in Chemistry; senior standing. Required capstone course for chemistry majors culminating in the development of a written research thesis. <u>Typically offered Spring.</u>	8-16
CPT S / CS / STAT	424	New	--N/A--	[CAPS] [M] Data Analytics Capstone 3 Course Prerequisite: Senior standing; certified major in Data Analytics. Team-based project that integrates the main aspects of data analytics. (Crosslisted course offered as CPT S 424, CS 424, STAT 424).	8-16
ENGR	121	New	--N/A--	Grand Challenges in Engineering 1 May be repeated for credit; cumulative maximum 2 hours. Introduction to the Grand Challenge Scholars Program and the National Academy of Engineering's Grand Challenges through a creative learning experience in research or design, an interdisciplinary experience, an entrepreneurship or innovation experience, a global or cross-cultural experience, and a service learning experience. Typically offered Fall and Spring. S, F grading.	8-16
ENGR / BIO ENG / CHE / CE / CPT S / E E / ME / MSE / SDC	488	Correction of UPMCB 4 Courses, Fall 2015: Subject left off crosslists.	--N/A--	Professional Practice Coop/Internship I V 1-2 May be repeated for credit; cumulative maximum 6 hours. Course Prerequisite: By department permission. Practicum for students admitted to the VCEA Professional Practice and Experiential Learning Program; integration of	8-16

				coursework with on-the-job professional experience. (Crosslisted course offered as ENGR 488, BIO ENG 488, CHE 488, CE 488, CPT S 488, E E 488, ME 488, <u>MSE 488</u> , SDC 488) Typically offered Fall, Spring, and Summer. S, F grading.	
ME	316	Revise	Machine-Design 3 Course Prerequisite: CE 215; certified major in Mechanical Engineering, Materials Science Engineering, Civil Engineering, or Electrical Engineering. Optimal design of machinery; analysis for prevention of machine elements failure. Recommended preparation: ME 220. Typically offered Fall and Spring.	(414) Mechanical Component Analysis and Design 3 Course Prerequisite: CE 215; <u>ME 216 or concurrent enrollment</u> ; <u>ME 220 or concurrent enrollment</u> ; certified major in Mechanical Engineering, Materials Science Engineering, Civil Engineering, or Electrical Engineering. Optimal design of machinery; analysis for prevention of machine elements failure. Typically offered Fall and Spring.	8-16
ME	415	Revise	[M] Systems-Design 3 Course Prerequisite: CE 215; ME 216 ; certified major in Mechanical Engineering, Materials Science Engineering, Civil Engineering, or Electrical Engineering. Systems and component design; product development from specifications to manufacturing; team-based CAD design projects; engineering economics; engineering professional skills. Typically offered Fall and Spring.	(316) [M] Engineering Design 3 Course Prerequisite: <u>ME 310 or concurrent enrollment</u> ; <u>ME 311 or concurrent enrollment</u> ; <u>ME 316 or concurrent enrollment</u> ; certified major in Mechanical Engineering, Materials Science Engineering, Civil Engineering, or Electrical Engineering. Systems and component design; product development from specifications to manufacturing; team-based CAD design projects; engineering economics; engineering professional skills. Typically offered Fall and Spring.	8-16
NEP	479	Revise	Nutrition and Exercise Practicum 3 (1-6) May be repeated for credit; cumulative maximum 6 hours. Supervised experience in applying exercise and	Nutrition and Exercise Practicum I 3 (1-6) Course Prerequisite: <u>NEP 424; NEP 476</u> . Supervised experience in applying exercise and nutrition assessment techniques and	8-16

			nutrition assessment techniques and developing exercise and nutrition prescription for normal and diseased subjects.	developing exercise and nutrition prescription for normal and diseased subjects. <u>Typically offered Fall.</u>	
NEP	482	New	--N/A--	Nutrition and Exercise Practicum II 3 (1-6) Course Prerequisite: NEP 427; NEP 476; NEP 479. Supervised experience in applying exercise and nutrition assessment techniques for normal and diseased subjects. Typically offered Fall.	8-16
NEP	489	New	--N/A--	Exercise Internship Seminar 1 Course prerequisite: Senior standing or graduate student in Nutrition and Exercise Physiology. Learn and complete the process for an exercise internship. Typically offered Fall.	8-16
VIT ENOL	433	New	--N/A--	[CAPS] [M] Critical Thinking in Vineyard and Winery Management 3 (2-3) Course Prerequisite: VIT ENOL 313; VIT ENOL 413 or concurrent enrollment; VIT ENOL 326, VIT ENOL 465. Expansion and application of previous learning in viticulture and enology to develop economic and environmentally sustainable vineyard and winery management plans. Typically offered Spring.	5-16