

Appendix C

COURSES WITH ENTREPRENEURSHIP IN THE TITLE AND/OR IN CURRENT CATALOG DESCRIPTION

AMST/POLI/SOC 205 – Civic Agency and Social Entrepreneurship

AMST 422 – Preserving Places, Making Spaces in Baltimore

ART 322 – Social Entrepreneurship in Place

ART 339 – Design Thinking for the Social Entrepreneur

ART 462 – Entrepreneurial Practices in Photography

CMPE 450 – Capstone I

ECON 418 – Economics of Innovation and Technology

ENME 444 – Mechanical Engineering Systems Design

FYS 102P – Creativity, Innovation and Invention

HIST 206 – Entrepreneurs in the Early Modern World

HIST 311 – American Entrepreneurs: From Christopher Columbus to Steve Jobs

MGMT 210 – The Practice of Management

MUSC 323 – Career Development for Musicians

NOTE:

Course description changes for CMPE 349: Introduction to Professional Practice and CMPE 451: Capstone II were approved by UGC in April 2016. The updated descriptions mention entrepreneurship, however, the new descriptions have not been included in the catalog as of yet. These were submitted to UGC at the same time as CMPE 450: Capstone I and that description change has been made in the catalog.

COURSES WITH ENTREPRENEURSHIP MENTIONED IN THE COURSE CATALOG DESCRIPTION

AMST 205 - Civic Agency and Social Entrepreneurship

(3.00)

By building their theoretical knowledge and practical skills, this course empowers and prepares students to work effectively in their communities, social groups and democracy to initiate and achieve social change. Students will analyze and evaluate prevailing ideas about effective citizenship, activism, service and politics, including conventional assumptions about the limits of ordinary citizens' capacity to become agents of transformation. Students will work in teams to develop strategic plans for social change on campus and beyond.

Course ID: 100366

Consent: No Special Consent Required

Components: Lecture

Same as Offered: POLI 205, SOCY 205

AMST 422 - Preserving Places, Making Spaces in Baltimore

(3.00)

This is an applied research course where students develop an innovative preservation project on overlooked local history in Baltimore by using the skills of social entrepreneurship. The professional and scholarly aspects of the field of historic preservation and the study of place will be applied to a community project in the greater Baltimore region. This course will educate students about preserving local cultural traditions and community engagement. Recommended Preparation Recommended Preparation: Six credits in American Studies courses, 3 at the upper-level

Course ID: 100360

Consent: No Special Consent Required

Components: Lecture

ART 322 - Social Entrepreneurship in Place

(3.00)

This course introduces the students to a range of interdisciplinary community arts, maker culture and examples of entrepreneurial case studies. These examples embrace civic agency-based methods that will be applied to approach projects in this transitional urban/suburban border community. Students, participants and stakeholders will identify and manage logistical problems inherent in budgeting, design, fabrication, testing and implementation of entrepreneurial solutions that can be modeled within the semester time frame.

Course ID: 102440

Consent: Instructor Consent Required

Components: Lecture

Prerequisite/Corequisite: You must complete ART 215 or ENTR 200 or ENTR 201 with a C or better.

ART 339 - Design Thinking for the Social Entrepreneur

(3.00)

Through a group-centered structure students will explore, present, debate and write about human-derived systems and their relationship to urban communities. Projects will result in an understanding of system overlap through graphic explorations, sketching, mapping, and model building. Students will gain an understanding of how designers operate within and alongside systems as modern thinkers and organizers of information, people, and political media. A deeper understanding of the crossover of professional disciplines will be reached.

Course ID: 102328

Consent: No Special Consent Required

Components: Lecture

Prerequisite/Corequisite: You must complete ENGL 100 or ENGL 110 with a C or better.

ART 462 - Entrepreneurial Practices in Photography

(3.00)

This course examines what it means to be an entrepreneur in photography. Case studies of and visits with successful alumni will be used to demonstrate the inventiveness and discipline necessary to move innovation to implementation. The ability to find and to create opportunity is a central to this course. Students work collaboratively to develop and refine this ability, while learning to build the underlying business structure necessary to succeed.

Course ID: 102442

Consent: No Special Consent Required

Components: Lecture

Prerequisite/Corequisite: You must complete ART 361 with a grade of C or better.

CMPE 450 - Capstone I

(2.00)

This is the first half of a two-semester capstone experience, taken in consecutive Fall and Spring semesters. Students to engage in a complete project design experience over two semesters, integrating the technical concepts learned in prior courses.

Entrepreneurship, team leadership and project management skills are emphasized. Students function in a classroom environment that closely simulates professional and entrepreneurial practice including budgetary, time, technical and sometimes social, ethical and environmental constraints.

Course ID: 52842

Consent: No Special Consent Required

Components: Discussion, Lecture

Attributes: Course Fee = \$50.00

Prerequisite/Corequisite: Requirement Group: You must complete CMPE 314 and CMPE 311 and CMPE 349 and CMSC 341 and one of the following: CMPE 323 or CMPE 330 or CMPE 315 or CMPE 415. A grade of C or better is required in all prerequisite classes before registering for Capstone I. Can be concurrently enrolled in CMPE 311.

ECON 418 - Economics of Innovation and Technology

(3.00)

This course examines the economic determinants and consequences of innovation, creative activity, and technological advance. It surveys both theoretical models and empirical studies of the determinants of creative and inventive activity. It considers classic statements of the role of the entrepreneur in economic life including those of Frank Knight, Joseph Schumpeter, and Israel Kirzner. It reviews estimates of private and social returns to investments in research and development. Policy issues involving patents, intellectual property, and public subsidies to research will also be considered. Students will be asked to develop case studies of both successful and unsuccessful business and technological innovations.

Course ID: 53343

Consent: No Special Consent Required

Components: Lecture

Attributes: Writing Intensive

Prerequisite/Corequisite: Requirement Group: You must have completed ECON 311 with a grade of "C" or better before taking this class.

ENME 444 - Mechanical Engineering Systems Design

(3.00)

This course allows students completing the Mechanical Engineering curriculum to engage in a complete system design experience, integrating the various technical concepts they have learned in prior courses and is the last in a sequence of design courses that are an integral component of the undergraduate program. The course imparts a foundation in team leadership and project management and emphasizes entrepreneurial skills necessary to function in any organization, regardless of size. Engineers in industry solve problems that simultaneously resolve budgetary, time, technical and sometimes social, ethical and environmental constraints. Students will enjoy an experience that closely matches this environment.

Course ID: 54232

Consent: No Special Consent Required

Components: Laboratory, Lecture

Attributes: Course Fee = \$50.00

Prerequisite/Corequisite: Requirement Group: You must have completed all 300 level courses required in ENME with a grade of "C" or better.

HIST 206 - Entrepreneurs in the Early Modern World

(3.00)

This class uses the topic of entrepreneurship to explore major events and changes in early modern world history. Entrepreneurship is any new innovative or creative approach or idea that results in a venture or undertaking that is usually for profit. This course will focus on key areas of entrepreneurial activity such as: Commerce, Trade, Financial Speculation, European Colonization, Religious Missions, Piracy, Science, and Medicine. The geographic focus will be Europe, Africa, the Americas, and Asia.

Course ID: 102221

Consent: No Special Consent Required

Components: Lecture

Attributes: Culture (GEP), Social Sciences (GEP)

HIST 311 - American Entrepreneurs: From Christopher Columbus to Steve Jobs
(3.00)

The entrepreneur symbolizes the American way. In this class, we will discuss and define the role of the entrepreneur in American economic development and also examine how entrepreneurs have shaped the lives of everyday Americans throughout our country's history. Using several case studies, we will examine how entrepreneurs responded, on the one hand, to market forces and consumer demand and, on the other hand, to the political environment and regulatory frameworks set up over time. Recommended Preparation: Any 100 level SS course.

Course ID: 101988
Consent: No Special Consent Required
Components: Lecture

MGMT 210 - The Practice of Management
(3.00)

The study of the role of the manager in leading and controlling organizations ranging from small entrepreneurship to large corporate environments. Topics will include management theories, corporate culture, goal-setting and measuring performance. Note This course may be subject to a Course Materials Charge. The charge may vary by semester, depending on the course materials required. The Course Materials Initiative (CMI) was established to provide students with more affordable course materials, enhance the students' experience on a common digital platform via Blackboard, and position UMBC to be ahead of the curve with digital content. More information is available at UMBC Bookstore's website.

MUSC 323 - Career Development for Musicians
(3.00)

A practicum class that examines the components of creating a successful career in the music field. Beginning by exploring traditional careers as well as the many creative, entrepreneurial paths musicians have taken, areas to be studied include self-presentation (writing and speaking), the components of a successful press package, websites, recorded material, and resumes. Financial support options and research methods, legal issues, and contracts will be discussed. Recommended Preparation: MUSC 126

Course ID: 55638
Consent: No Special Consent Required
Components: Lecture
Prerequisite/Corequisite: Requirement Group: You must complete MUSC 126 with a C or better.

NOTE: Course description changes for the following CMPE courses were approved by UGC in April of 2016. The new descriptions include mention of entrepreneurship. The updated course descriptions have not been made in the catalog as of yet, however. These courses were submitted/approved at the same time as CMPE 450 and that updated description has been made in the catalog.

CMPE 349 : Introduction to Professional Practice

Introduction to entrepreneurship, systems engineering, project management, and professional ethics to prepare for CMPE450 Capstone I. Development / practice of skills in the design and partitioning of a system from initial customer requirements through specifications, Statement of Work, and proposal documents. The Classroom environment simulates the professional /entrepreneurial workplace. Students are required to develop and write various technical documents, including project plans, specifications, and proposals throughout the course. Professional practice experience includes real-world workplace ethics and behaviors. Recommended Course Preparation: This class is intended to be taken the semester before enrolling in CMPE450 Capstone I CMPE451 This is the second half of a two-semester capstone experience, taken in consecutive Fall and Spring semesters. Students to engage in a complete project design experience over two semesters, integrating the technical concepts learned in prior courses. Entrepreneurship, team leadership and project management skills are emphasized. Students function in a classroom environment that closely simulates professional and entrepreneurial practice including budgetary, time, technical and sometimes social, ethical and environmental constraints.

CMPE 451: Capstone II

This is the second half of a two-semester capstone experience, taken in consecutive Fall and Spring semesters. Students to engage in a complete project design experience over two semesters, integrating the technical concepts learned in prior courses. Entrepreneurship, team leadership and project management skills are emphasized. Students function in a classroom environment that closely simulates professional and entrepreneurial practice including budgetary, time, technical and sometimes social, ethical and environmental constraints.

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