UMBC UGC Change in Existing Course: enter current course number & title

Date Submitted: 4/14/2016   Proposed Effective Date: Fall 2016

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COURSE INFORMATION: (please provide all information in the "current" column, and only the information changing in the "proposed" column)

change		current	proposed
☐	Course Number(s)	CMPE450	
☐	Formal Title	Capstone I	
☐	Transcript Title (≤30c)	Capstone I	
☐	Recommended Course Preparation	[no change]	
☐	Prerequisite **NOTE:** Unless otherwise indicated, a prerequisite is assumed to be passed with a "D" or better.	[no chang]	
☐	Credits	[no change]	
☐	Repeatable?	☐ Yes ☒ No (not for add'l credit, but student may take twice)	☐ Yes ☐ No
☐	Max. Total Credits	[n/a]	**Max. Total Credits:** This should be equal to the number of credits for courses that cannot be repeated for credit. For courses that may be repeated for credit, enter the maximum total number of credits a student can receive from this course. E.g., enter 6 credits for a 3 credit course that may be taken a second time for credit, but not for a third time. Please note that this does NOT refer to how many times a class may be retaken for a higher grade.
☐	Grading Method(s)	☒ Reg (A-F) ☐ Audit ☐ Pass-Fail	☐ Reg (A-F) ☐ Audit ☐ Pass-Fail

CURRENT CATALOG DESCRIPTION:
The computer engineering capstone course is unique in that it comprises two separate modules called CMPE450 and CMPE451, with these modules being taken during the consecutive Fall and Spring semesters. The course is designed to allow students completing the computer engineering curriculum to engage in a complete project design experience. This will help them to integrate the various technical concepts they have learned in the prior courses they have engaged. The course aims to impart a foundation in team leadership and project management ability that will allow graduates to move with purpose, positively impacting the concerns they soon will join. 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 the aforementioned environment.

PROPOSED CATALOG DESCRIPTION (no longer than 75 words**):** leave blank if no changes are being proposed to the catalog description. NOTE: information about prerequisites should NOT appear in the catalog description.)
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.

RATIONALE FOR CHANGE:

The changed wording brings the course description within the 75 word limit.

The changed wording includes specific reference to entrepreneurial skills, as required for entrepreneurship designation. (e-mail Armor to LaBerge, Feb 12, 2016).

This change was approved by the CMPE Undergraduate Program Committee in March 2016.