UMBC UGC Instructions for Change in Existing Course Form

Course number & title: Enter the current course number and title of the course at the top of the page.

Date submitted: The date that the form will be submitted to the UGC.

Effective date: The semester that the change will be effective, if approved.

Contact information: Provide the contact information of the chair of the department housing the course. If the course is not housed in a department or program, then provide the same information for the head of the appropriate academic unit. (See UGC Procedures.) If another faculty member should also be contacted for questions about the request and be notified about UGC actions on the request, include that person's contact information on the second line.

Course information: Provide all of the current information for this course. Check the "change" column for aspects of the course that will be changed by this proposal and provide the specific changes. Unchanged fields may be left blank under the "proposed" column. *Note: all 300- and 400-level courses must have prerequisites.*

Course number: For cross-listed courses, provide all the numbers for the new course.

Transcript title: Limited to 24 characters, including spaces. Leave the current transcript title blank if this is not known.

Maximum repeatable credits: Enter 0 for courses that may not 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): Check all that apply.

Current catalog description: Provide the course description as it appears in the current undergraduate catalog or since the last UGC-approved change.

Proposed catalog description: Check the appropriate boxes to indicate if this proposal involves a change in the course description and/or prerequisite. Provide the exact wording of the course description as it will appear in the next undergraduate catalog. Course proposals should be a) no longer than 75 words, b) stated in complete sentences, and c) avoid reference to specific details that may not always pertain (e.g., dates, events, etc.).Leave blank and check "no changes" if this proposal does not change the course description.

Rationale: Provide a brief explanation for the need for the proposed changes.

Cross-listed courses: Requests to change cross-listed courses must be accompanied by letters of support via email from all involved department chairs. Proposals for the addition of a cross-listing to an existing course must include as a part of the rationale the specific reason why cross-listing is appropriate. Email from all involved department chairs is also required when cross-listing is removed and when a cross-listed course is discontinued.   Please note that Special Topics cannot be cross-listed.

Note: the UGC form is a Microsoft Word form. You should be able to enter most of the information by tabbing through the fields. The document is protected. In the rare case that you need to unprotect the document, use the password 'ugcform'. Beware that you will lose all the data entered in the form's fields if you unlock and lock the document.

UMBC UGC Change in Existing Course: CMPE310 Systems Design and Programming

Date Submitted: 8/31/2016   Proposed Effective Date: 8/1/2017

	name	email	phone	dept
Dept Chair	Anupam Joshi	joshi@umbc.edu	5-2733	CSEE
Contact	Chuck LaBerge	elaber1@umbc.edu	5-5684	CSEE

COURSE INFORMATION:

change		current	proposed
☐	Course Number(s)		
☐	Formal Title		
☐	Transcript Title (≤24c)		
☐	Recommended Course Preparation		
x	Prerequisite	You must complete CMPE 212 with a grade of B or better, and complete CMSC 201 with a grade of C or better, and have passed the Computer Engineering Gateway before taking this class.	You must pass the Computer Engineering Gateway and complete CMSC203 with a grade of C or better before taking this class. CMCS203 may be taken concurrently with CMPE310.
☐	Credits		
☐	Repeatable?	☐ Yes ☐ No	☐ Yes ☐ No
☐	Max. Total Credits		
☐	If yes, how many total credits?		
☐	Grading Method(s)	☐ Reg (A-F) ☐ Audit ☐ Pass-Fail	☐ Reg (A-F) ☐ Audit ☐ Pass-Fail

CURRENT CATALOG DESCRIPTION:

This course provides computer engineering students with system design software and hardware experience. This course covers hardware features that support advanced process and memory management in modern architectures such as the Pentium. The details of the entire chipset for 8086 are covered, including topics related to the register architecture, machine language, clock generator, bus controller and memory, I/O and interrupt interface. Other details of a complete computer system are discussed, including I/O bus protocols and support chips, memory chips, interrupt handler hardware and external support chips for disk storage, video and direct memory access. This course includes a laboratory that focuses on assembly language programming and board design software.

PROPOSED CATALOG DESCRIPTION: ☒ no changes   change in description

RATIONALE FOR CHANGE:
In a change approved in April 2016, the CMSC203 was removed as a prerequisite for CMPE212. The current change reinserts CMSC203 into the requirement chain as a prerequisite for CMPE310, which is the follow-on course to CMPE310. Because the newly (April 2016) redefined Gateway includes both CMPE212 and CMSC201, the requirement to pass the Gateway is sufficient to replace the specific mentions of these courses in the old prerequisite.   This change does not affect any other major, as CMPE310 is a CMPE-specific course.

This change was suggested by the ECE Faculty at the time that the April 2016 change to CMPE212 was approved, not in time to be considered by the Undergraduate Council at their April meeting.   This change was approved by the CMPE UGPC in August 2016.

The catalog description is unchanged from that approved in 2013.