

## UMBC UGC Instructions for Change in Existing Course Form (Revised 4/2016)

**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 or UPD 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 or recommended preparation.*

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

**Transcript title:** Limited to 30 characters, including spaces. Leave the current transcript title blank if this is not known.

**Recommended Course Preparation:** *Please note that all 300 and 400 level courses should have either recommended course preparation(s) or prerequisite(s) and that 100 or 200 level courses may have them.*

Here fill in what previous course(s) a student should have taken to succeed in the course. These recommendations will NOT be enforced by the registration system. Please explain your choices in the "rationale" (discussed below).

**Prerequisite:** *Please note that all 300 and 400 level courses should have either recommended course preparation(s) or prerequisite(s)* Here fill in course(s) students need to have taken before they enroll in this course. These prerequisites will be enforced through the registration system. Please explain your choices in the "rationale" (discussed below).

**NOTE:** Please use the words "AND" and "OR", along with parentheses as appropriate, in the lists of prerequisites and recommended preparation so that the requirements specified will be interpreted unambiguously.

**NOTE:** Unless otherwise indicated, a prerequisite is assumed to be passed with a "D" or better.

**# of credits:** To determine the appropriate number of credits to assign to a course please refer to the [UMBC Credit Hour Policy](#) which articulates the standards for assignment and application of credit hours to all courses and programs of study at UMBC regardless of degree level, teaching and learning formats, and mode of instruction.

**Maximum 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):** Please review the [grading methods document](#) (this link can be found on the UGC forms page) before selecting a grading option. Please do not select all three grading options by default.

**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:** If this proposal involves a change in the course description, provide the exact wording of the course description as it will appear in the next undergraduate catalog. Course descriptions 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 if this proposal does not change the course description. Course descriptions should not repeat information about prerequisites (which are always listed alongside the course description).

**Rationale including a pedagogical justification to any changes in course level:** 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: CMSC491 – Special Topics in Computer Science

Date Submitted: 2/26/2018

Proposed Effective Date: 5/18/2018

	Name	Email	Phone	Dept
Dept Chair or UPD	Jeremy Dixon	<a href="mailto:jdixon@umbc.edu">jdixon@umbc.edu</a>	5-8866	CSEE
Other Contact	Richard Chang	<a href="mailto:chang@umbc.edu">chang@umbc.edu</a>	5-3093	CSEE

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

change		current	proposed
<input type="checkbox"/>	Course Number(s)	CMSC 491	
<input type="checkbox"/>	Formal Title	Special Topics in Computer Science	
<input type="checkbox"/>	Transcript Title (≤30c)	Spec Topics In Comp Sci	
<input type="checkbox"/>	Recommended Course Preparation		
<input checked="" type="checkbox"/>	Prerequisite <b>NOTE:</b> Unless otherwise indicated, a prerequisite is assumed to be passed with a “D” or better.	None	CMSC 341 or permission of the instructor
<input type="checkbox"/>	# of Credits Must adhere to the <a href="#">UMBC Credit Hour Policy</a>	3	
<input type="checkbox"/>	Repeatable?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	Max. Total Credits	Unlimited, however, each special topic must be different.	<b>Max. Total Credits:</b> 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.
<input type="checkbox"/>	Grading Method(s)	<input checked="" type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail	<input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail

### CURRENT CATALOG DESCRIPTION:

Top:Obj Orien Prog & Lan, System Implement & Integ, Software Engineering, Distributed Systems, Scripting Languages, Ooa&D, Java Programming, Computer Security, Computer Animation, Electronic Commerce, Wireless Communications, Digital Signal Process, E-Commerce Technology, Enterprise Syst Security, Mobile Radio Telephony, Computer Science, Intro To Design Patterns, Machine Learning, Cell Processors & Applic, Object-Oriented Program, Graphical User Interface, Internet Tools/Protocols, Graph User Interface Pro, Symbolic/Algebraic Proc, Sql Programming, Symbolic Comput Maple, Introduction To UNIX, Java II, Med Software Engineering, Net Prog Mgmt & Admin, Data Network/Security, Microprocessor Systems, Entr Comp & Web Tech, Information Retrieval, Ontological Semantics, UNIX Sec And Admin Pol, Advanced Natural Lang Pr, Intro Machine Learning, Intro To It Services, Srvc Oriented Computing, Spec Topics In Comp Sci, Obj-Orient Anal & Design, UNIX Networking, VLSI Systems, Advance VLSI Design, Developing Palmtop Sys, Data Mining, UNIX System Admin, Scrtly In Dstrbtd & Mble, Adv Natural Lang Proc, Comp Graphics For Games, Special Topics, Network Programming, Semantic Web, Sensor Networks, UNIX Security Admin Poli, Object Oriented Analysis, System Implementation, Program Logic Devices, Database Perform Anal, Oracle-Forms, Oracle - Forms, Data Drvn Info Arch, Design Patterns In Java, Creating Web Services, Electronic Commerce Tech, Data & Network Security, Micro Processor Systems, Database Implementation, Adv In E-Learning Tech, Java Server Technologies, Information Assurance, Real-Time Shading, Top:Graphics Prog Lang, Tcp/Ip, Adv Computer Networks, Java I, Neural Networks, Web & Data Mining, Mobil Computing, Computing & Web Tech, Entrprise Comp & Web Tec, Intro To E-Commerce, System Maintenance, Natural Language Process, Spec Topic In Comp Sci, Intro To Nat Lang Proc, Mobile Computing, Embedded Systems, Wireless Sensor Networks, Artistic

Rendering, Robotics, Wearable Computing, Network Info Retrieval, Database Design, Object-Oriented Analysis, Programming In Java, VLSI Manufacturability, Data-Driven Info Process, Topics In Systems Admin, Wireless Communication, Distrib Multimedia Sys, Agent Based Information, Software Quality Engin, Wearable Computing, Malicious Software, Prog Embedded Systems, Serv Oriented Computing, Social Web Technologies, Contingency Planning, Top:Software Eng W/Ada, Graphics Program Lang, Tcp/Ip Programming, Topic: S Q L, Topic:Tcp/Ip Programming, Data Base Design, Hardware Design Language, Digital Image Processing, Intro To Data Mining, Introduction To Robotics, Intro Network Security, Electronic Voting Sys, Data Visualization, Top: Dstrb Database Syst, Client/Server Data Sys, Ooa & D, Visualization, Real-Time Graphics, Neural Network Computing, Project Management, Agent Architectures, Sec In Wireless Dis Sys, Quantum Computation, Web Serv Orien Computing, Mobile Platform Dev: iPhone and iPod, Computer Forensics and Intrusions, Intro to Parallel Computing:, Intro Parallel Comp: Emphas Use of IBM Cell B.E., User Interface Programming, Multi- and Many-core Programming, Game User Interface Programming, Advanced FPGA Design, Intro to Quantum Mechanics for, Computational Photography: In, Probabilistic Models, Data Intensive Computing, Computation, Complexity & Emergence, Advanced Computer Graphics, Computation, Complexity, and Emergence, Privacy and Security in a Mobile Social World, Graphics for Games, Medical Informatics, Clinical Informatics, Malware Analysis, Systems for Smart Home Automation, Cybersecurity Research Seminar, Hadoop Based Distributive Computing, Human Cmptg in Visualization

**PROPOSED CATALOG DESCRIPTION** (Approximately 75 words in length. Please use full sentences): leave blank if no changes are being proposed to the catalog description. NOTE: information about prerequisites should NOT appear in the catalog description.)

**RATIONALE FOR CHANGE:**

Currently, CMSC 491 does not have any prerequisites. As such, a student could register for any of our sections of CMSC 491 without any prior experience. CMSC 491 is an upper level course and should, at a minimum, have a prerequisite to help ensure experience and maturity in the discipline. Note: prerequisites for individual sections of CMSC 491 is not currently supported by PeopleSoft. Providing suggested prerequisites for each section of a CMSC 491 is encouraged but not enforceable via prerequisites (in PeopleSoft).