

UMBC UGC Instructions for New Course Request Form (revised 4/2016)

Course number & title: Enter the number and title of the course at the top of the page. Contact the Registrar's Office to confirm that the desired course number is available.

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

Effective date: The semester the new course is in effect, if approved.

Contact information: Provide the contact information of the Chair or UPD of the department or program 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 number: For cross-listed courses, provide all the numbers for the new course.

Transcript title: Limited to 30 characters, including spaces.

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.

Proposed catalog description: 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 declarative sentences in language accessible to students, and c) avoid reference to specific details that may not always pertain (e.g., dates, events, etc.). Course descriptions should not repeat information about prerequisites (which are always listed alongside the course description)."

Rationale: Please explain the following:

- a) Why is there a need for this course at this time?
- b) How often is the course likely to be taught?
- c) How does this course fit into your department's curriculum?
- d) What primary student population will the course serve?
- e) Why is the course offered at the level (ie. 100, 200, 300, or 400 level) chosen?
- f) Explain the appropriateness of the recommended course preparation(s) and prerequisite(s).
- g) Explain the reasoning behind the P/F or regular grading method.
- h) Provide a justification for the repeatability of the course.

Cross-listed courses: Requests to create cross-listed courses must be accompanied by letters of support via email from all involved department chairs. Proposals for new courses or 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 courses cannot be cross-listed.

Course Outline: Provide a syllabus with main topics and a weekly assignment schedule which includes complete citations for readings with page numbers as appropriate. Explain how students' knowledge and skills will be assessed.

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 New Course Request: MBIO 361L Sustainable Aquaculture Laboratory

Date Submitted: February 2019

Proposed Effective Date: Fall 2019

	Name	Email	Phone	Dept
Dept Chair or UPD	Yonathon Zohar (chair)	zohar@umbc.edu	410-234-8803	Marine Biotechnology
Other Contact	Colleen Burge/Keiko Saito	colleenb@umbc.edu ; saito@umbc.edu	410-234-8834	Marine Biotechnology

COURSE INFORMATION:

Course Number(s)	MBIO 361L
Formal Title	Sustainable Aquaculture Laboratory
Transcript Title (≤30c)	Sustainable Aquaculture Lab
Recommended Course Preparation	N/A
Prerequisite NOTE: Unless otherwise indicated, a prerequisite is assumed to be passed with a "D" or better.	BIOL 141, BIOL 142, CHEM 101, CHEM 102, CHEM 102L, BIO 300L and BIOL 302. All prerequisites must be completed with a grade of 'C' or better.
# of Credits Must adhere to the UMBC Credit Hour Policy	2
Repeatable for additional credit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Max. Total Credits	2 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)	<input checked="" type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail

PROPOSED CATALOG DESCRIPTION (Approximately 75 words in length. Please use full sentences.):

Students will be exposed to the theory and practice of aquaculture as well as concepts associated with the development of biotechnology supporting sustainable aquaculture. This course offers hands-on experience in fish/shellfish biology, aquaculture microbiology, and marine biotechnology at a state-of-art aquatic animal holding and production facility, the Aquaculture Research Center (ARC) at the Columbus Center.

RATIONALE FOR NEW COURSE:

MBIO 361L will provide an additional laboratory course for students interested in marine or aquatic biology focusing on sustainable aquaculture. Aquaculture is a growing industry globally and in the state of Maryland, and we will provide students with both theoretical and technical skills in aquaculture science. The course will be taught once a year, or ad hoc as we gauge interest. This course is the first course to be taught in the Department of Marine Biotechnology, under a new acronym, MBIO. As such, we are beginning with an area of strength within the department. We expect the course to serve as an elective for students majoring in Biology, in particular students who are interested in marine or aquatic biology. The material covered is advanced and relies on the student to have experience in laboratory classes as well as foundational principles (BIO 141, BIO 142). The course is designed with the standard A-F grading scale, with appropriate emphasis on quizzes, laboratory exercises, a laboratory notebook, and a final paper.