

UMBC UGC Instructions for Change in Existing Course Form (Revised 2/2015)

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.

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): 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: 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: 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: BIOL 216L: eBiology - Phage Hunters

Date Submitted: 1/3/2018

Proposed Effective Date: Summer 2018

	Name	Email	Phone	Dept
Dept Chair or UPD	Philip Farabaugh	farabaug@umbc.edu	53018	BIOL
Other Contact	David Eisenmann	eisenman@umbc.edu	52256	BIOL
Other	Nichole Zang Do	Zang.do@umbc.edu	58071	BIOL

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

change		current	proposed
<input checked="" type="checkbox"/>	Course Number(s)	BIOL 216H	BIOL 216L
<input checked="" type="checkbox"/>	Formal Title	eBiology – Phage Hunters II	eBiology – Phage Hunters
<input checked="" type="checkbox"/>	Transcript Title (≤30c)	Phage Hunters II	Phage Hunters Genome Analysis
<input type="checkbox"/>	Recommended Course Preparation		
<input checked="" type="checkbox"/>	Prerequisite NOTE: Unless otherwise indicated, a prerequisite is assumed to be passed with a “D” or better.	You must complete HONR 215 or BIOL 215H and ENGL100 or equivalent with a C or better.	None
<input type="checkbox"/>	Credits	3.00	
<input type="checkbox"/>	Repeatable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	Max. Total Credits	3.00	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.
<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:

In Phage Hunters II, participants will utilize state of the art computer programs to annotate a complete bacteriophage genome sequence generated in HONR 215/BIOL215H, and identify that unknown bacteriophage. The course includes two lab meetings per week and a large degree of self-paced investigative work. No science background is required.

PROPOSED CATALOG DESCRIPTION (no longer than 75 words):

In Phage Hunters Genome Analysis, participants will utilize state of the art computer programs to annotate and analyze complete bacteriophage genome sequences generated in experimental Phage Hunters laboratory courses at UMBC. The course includes two lab meetings per week and a large degree of self-paced investigative work. No science background is required.

RATIONALE FOR CHANGE:

Paired with eBiology – Phage Hunters I (BIOL 215H) and in conjunction with the Honors program, eBiology – Phage Hunters II (BIOL 216H) was offered for several years at UMBC as a computer laboratory, discovery-oriented course oriented to non-biology majors. Since then, the Biological Science Department has switched to teaching equivalent courses for BIOL majors (BIOL 302L—Phage Hunters Genetics Lab and BIOL 316L—Phage Hunters Genome Analysis).

In contrast with the situation at the inception of the UMBC Phage Hunters program, when the genomes available for analysis in BIOL 216H were obtained exclusively from sequencing of bacteriophages isolated in the paired BIOL 215H course, the availability of bacteriophage genome sequences for analysis is no longer a limiting factor. In fact, the need to manually annotate, review and analyze genome sequences generated in BIOL 302L has increased substantially, outpacing the ability to analyze them all in BIOL 316L. This broad availability of bacteriophage genome sequence data allows decoupling the wet-lab component of bacteriophage discovery (BIOL 215H) from its subsequent in silico analysis, motivating the change in pre-requisites.

By offering again BIOL 216L as a Science Plus Lab (GEP) to non-biology students, the Biological Sciences Department wishes to provide non-biology majors with an engaging laboratory experience in biology. Because this course is open to all undergraduates, there is no recommended course preparation or prerequisite.

This course is no longer taught in connection with the Honors College, although Honors students will be able to take it jointly with a section of HONR 216L; it is requested that the "H" designation be removed. In accordance with university course numbering conventions, the course will be designated BIOL 216L to indicate that it includes a laboratory component.