BIOL - 663 - Genetics of Human Disease

2 Graduate Course Create 2021-22

I. Course Information

The faculty member originating this proposal is to complete sections I,II, III, and IV.

TURN ON help text before starting this proposal by clicking in the top right corner of the heading.

You will need to turn on help text again after any actions that refresh the page including after saving proposals, importing information, or running impact reports.

FILL IN ONLY fields required marked with an *. You will not be able to launch the proposal without completing the required fields.

Department* School of Life Sciences

Prefix:* BIOL

Number:* 663

Is a new Prefix being suggested? Yes No

Suggested Prefix

Long Course Name:* Genetics of Human Disease

Short Course Name* Genetics of Human Disease

Tip: 25 characters max. for short name (abbreviations are acceptable if needed)

Tips

avoid the use of the words *student*, *course*, and *covers*
incomplete sentences are ok
avoid repeating the course title
(50 words max)

Catalog Description*

Investigate mechanisms by which gene and genome variations cause disease by altering RNA & protein production, protein biochemistry, and cellular function. Learn from the perspective of a healthcare professional through case studies of clinical genetic disease. Crosslisted with BIOL 463. Credit at the 600-level requires additional work.

Is this course a culminating experience?* ☐ Yes ☑ No

If Yes, to which programs?

First Term Course Offered* Spring 2021

Explanation for Course Create* This proposed course BIO 663 Genetics of Human Disease is a graduate level extension of BIOL 463. The course directly connects genetics and genomics to practical use in clinical medicine, public health, and medical research. It reiterates and specifically applies to human disease the foundational principles taught in the undergraduate course BIOL 304 Molecular Genetics and it builds cohesive curriculum with graduate courses BIOL 666 Developmental Biology, BIOL 607 Molecular Biology, and BIOL 645 Cell Physiology, framing them in application to human genetic diseases.

Are you adding a Service-Learning designation to this course?* ○ Yes ◉ No

If the Service-Learning designation is being added to this course:

A syllabus in Word or PDF format must accompany this form.

Graduate syllabi must meet the minimum criteria as required by the Provost's office (See Semester Memo under Executive Vice President and Provost Policies and Forms www.unlv.edu/policies). Graduate courses that are linked to undergraduate courses (300/500 and 400/600 level joint courses) must clearly state in the syllabus how the class experience and expectations are different for graduate students, what additional requirements students enrolled in the graduate level course must fulfill, and how the grading scale will be applied to graduate students.

Please attach a current syllabus by navigating to the Proposal Toolbox and clicking in the top right corner.

Information about Service-Learning is available here. Faculty can visit the faculty Service-Learning page as well as the *UNLV Guide for Service Learning* for additional information.

If adding Service-Learning designation, syllabus is attached ☐ Attached

II. Catalog Information

Will this be an experimental (x) course?*	○ Yes ◉ No
Has this course number been used previously as an Experimental (X) course?	○ Yes ◉ No
If yes, X-Course Prefix	
X-Course Code	
Program(s) impacted by this new course*	School of Life Sciences Graduate Program

Tip (note): A Program Change form will need to be submitted to add the new course into a program.

Detail the changes to the program catalog entry required due to the creation of this course.*	No changes to the Program catalog entry due to creation of this course.
Fixed/Variable Credits*	◉ Fixed ○ Variable

If fixed, enter number of credits. If variable, enter minimum and maximum credits (E.g., 1-3)

Number of Credits	3

Course is Repeatable*	○ Yes ◉ No	**If yes, the maximum number of credits that may be earned is**	

Grading System*	◉ Letter Grade ○ S/U ○ Thesis/Dissertation
Is this a Special Topics course?*	○ Yes ◉ No
Sub-topic(s)	

Are topics repeatable?	○ Yes ◉ No
If yes, number of credits	
Prerequisites	Biology degree or consent of instructor.
Corequisites	
Does this course have any non-credit components?	○ Yes ◉ No
If yes, indicate component(s)	☐ Clinical ☐ Discussion ☐ Field Studies ☐ Independent Study ☐ Internship ☐ Laboratory ☐ Lecture ☐ Practicum ☐ Research ☐ Seminar ☐ Supervision ☐ Thesis Research
Will this course be listed as the 'same as' another course?*	◉ Yes ○ No
If yes, list the course	BIOL 463
Indicate the instructional modes that should be available for scheduling*	☑ In Person Supplemental Web ☐ Field Study ☐ Hybrid ☐ Independent Study ☐ Television ☐ Web-based ☐ Web-based w/ on/off campus meeting

III. Evaluation of Library Resources

A. This section is completed by the faculty member originating this proposal—indicate library resources that will be needed to support this course

Will this course creation require changes to library resources?*	○ Yes ◉ No
Please indicate library resources that will be needed to support students taking this course*	☑ Core journals ☐ Core books (not required texts) ☑ Electronic resources (e.g., databases, videos, media, etc.)
Critically needed journals for this subject area:	
Core books needed:	
Electronic Resources:	

3. LAUNCH proposal by clicking in the top left corner.

4. Finish the launch of your proposal by clicking the icon located in the Proposal Toolbox on left side at top. Make your decision, comment is optional, and click on "Make decision".

You can check the status of the proposal by clicking in Proposal Toolbox to verify that the proposal has gone to the next step.

B. This section is completed by the librarian.

Level of support the Library can provide	
Library Comments	

IV. Syllabus

A syllabus in Word or PDF format must accompany this form.

Graduate syllabi must meet the minimum criteria as required by the Provost's office (See Semester Memo under Executive Vice President and Provost Policies and Forms www.unlv.edu/policies). Graduate courses that are linked to undergraduate courses (300/500 and 400/600 level joint courses) must clearly state in the syllabus how the class experience and expectations are different for graduate students, what additional requirements students enrolled in the graduate level course must fulfill, and how the grading scale will be applied to graduate students.

Attachments List

Please attach any required files by navigating to the Proposal Toolbox and clicking in the top right corner.

Attached syllabus*	☑ Attached

V. Department Vote Information

Note: This section is to be filled out by the Department Chair on behalf of the committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify GradCurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.

2. Fill in vote information.

3. Then go to the proposal toolbox at the top right side. Click on and select the corresponding decision for the committee. This will enable the proposal to go to the next person on the workflow.

You can check the status of the proposal by clicking in Proposal Toolbox to verify that the proposal has gone to the next step.

Date faculty voted on proposal	10/16/20202
Result of vote (Number of yes/no/abstention votes)	23+ Yes, 0 No, 0 Abs
Manner of vote (online, in-person, etc.)	In person via webex

VI. Unit Vote Information

Note: This section is to be filled out by the College Committee Chair on behalf of the committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify GradCurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.

2. Fill in vote information.

3. Then go to the proposal toolbox at the top right side. Click on and select the corresponding decision for the committee. This will enable the proposal to go to the next person on the workflow.

You can check the status of the proposal by clicking in Proposal Toolbox to verify that the proposal has gone to the next step.

Date faculty voted on proposal	11/3/20
Result of vote (Number of yes/no/abstention votes)	5-0
Manner of vote (online, in-person, etc.)	online

VIII. Processing Notes (Graduate College/Registrar Use Only)

PS Processing Notes	- Graduate college deadline for Spring 2021 edits was Oct 1. - Prerequisite clarification needed: Biology major means any graduate biology degree (BIOMS & BIOENVPHD)? - BIOL 463 is not submitted. We will not be able to cross-list if the course proposal is not submitted on the UGRAD side.

PS Processing Date	**Initials**
Acalog Processing Notes	
Acalog Processing Date	**Initials**

Comments for BIOL - 663 - Genetics of Human Disease

Curriculog

11/30/2020 8:27 am Reply

James Navalta has approved this proposal on behalf of Graduate Course Review Committee. See Graduate Course Review Committee 11-18-2020 for more information.

Curriculog

11/19/2020 9:36 am Reply

Graduate Curriculum has approved this proposal on Graduate Course Review Committee.

Graduate Curriculum

11/18/2020 12:08 pm Reply

Description adjusted to reflect crosslisting and not using the term course.

Andrew Andres

11/4/2020 3:02 pm Reply

Approved at COS Curriculum Committee meeting from 11/3/20 by a vote of 5 yes, 0 no, 0 abstentions.

Curriculog

11/4/2020 3:02 pm Reply

Andrew Andres has approved this proposal on School/College Associate Dean for Graduate Studies/ Dean.

Curriculog

11/3/2020 3:47 pm Reply

Rohan Dalpatadu has approved this proposal on School/College Committee.

Curriculog

10/26/2020 6:08 pm Reply

Life Sciences Chair has approved this proposal on Department Chair.

Life Sciences Graduate Coordinator

10/20/2020 4:41 pm Reply

Dr Rafferty revised the syllabus after the faculty discussion on 10/16/2020. She specifically altered how the final grade would be calculated for graduate students - less small tasks/more weight given to the case study project. This project will allow PhD students to develop skills for their comprehensive exam.

Curriculog

10/20/2020 4:41 pm Reply

Life Sciences Graduate Coordinator has approved this proposal on Graduate Coordinator.

Curriculog

9/21/2020 3:00 pm Reply

Graduate Curriculum has approved this proposal on Technical Review.

Curriculog

9/21/2020 9:56 am Reply

Kathryn Rafferty has approved this proposal on Originator.

Graduate Curriculum

9/14/2020 11:39 am Reply

- Please include VPAP minimum requirements to syllabus (attached).
- Please specify Graduate components in syllabus (not only undegrad).
- Please evaluate possible description improvements in case more clarity and objectivity can be found.

Curriculog

9/14/2020 11:39 am Reply

Graduate Curriculum has rejected this proposal on Technical Review.

Curriculog

9/14/2020 10:10 am Reply

Kathryn Rafferty has approved this proposal on Originator.

Curriculog

9/9/2020 2:31 pm Reply

Kathryn Rafferty has launched this proposal.