

BIOL - 674 - Climate Change Ecology

2 Graduate Course Create 2022-23

I. Course Information

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

Before starting this form, please review graduate curriculum website on policies and processes: <https://www.unlv.edu/graduatecollege/curriculum>

FILL IN ALL FIELDS. You will not be able to launch/submit the proposal without completing the required fields.

Department:*

School of Life Sciences

Prefix:*

BIOL

Number:* 674

Is the creation of a new Prefix being requested?*

Yes No

Suggested New Prefix:

Long Course Name:* Climate Change Ecology

Short Course Name (25 characters, can be abbreviated):* Climate Change Ecology

Explanation for Course Creation:*

SoLS director recommended development of 400/600 course that builds on existing Biol 341: Principles of Ecology. This new course will expand on 341 concepts to explore past, present, and future climate change impacts to plant and animal communities using ecological theory, case studies, and peer-reviewed literature.

Differential fees required for this course?*

Yes No

If yes, please explain:

Creating the Catalog Description:

avoid the use of the words *student*, *course*, and *covers*.

incomplete sentences are ok.

avoid repeating the course title.

use of an active voice, e.g. explores, investigates,...

50 words max.

Catalog Description 50 words limit (read guidelines above):*

Explores the past, present, and future consequences of climate change for plant and animal communities. Builds on ecological principles using numerous case studies. Content includes: climate variability, extreme events, ecological stability, landscape change, and extinction vulnerability. Crosslisted with BIOL 474C.

Is this course a culminating experience?*

Yes No

If Yes, to which programs?

First term and year you intend to offer this course:*

Spring 2023

Service-Learning designation

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.

Are you adding a Service-Learning designation to this course?*

Yes No

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 Number:

X-Course maximum offering

X Courses can only be offered a maximum of two times and within a two year limit after approval.

How many times will this x-course be offered? 1 2

Program Changes Needed?

If program changes are needed as a result of this course creation, **a separate program change proposal must be submitted.**

Please describe below your plan for program changes related to this proposal.

QUESTIONS? contact gradcurriculum@unlv.edu

Program(s) impacted by this new course:*

This new course will count for graduate credits towards graduate degree completion in SoLS.

Detail the changes to the program catalog entry required due to the creation of this course:*

This new course will be added to the SoLS graduate program catalog as a course that can be taken for credits towards degree completion.

CROSS-LISTING OR COMBINING COURSES

300- or 400-level courses may be cross-listed with 500-level courses; 400-level courses may also be cross-listed to 600-level courses. Courses that are at the 700 level and above may not be cross-listed with undergraduate courses.

Select one of the options:*

- Same As = e.g. Undergraduate: same content and same career (UG/UG). Graduate: Same/similar course content and same career (Grad/Grad)
- Cross-listing = Cross-listed courses contain the same or similar content and may be in different programs (e.g. WMST 621 & SOC 621) or different careers (e.g. BIOL 467 & BIOL 667 or PSC 722 & PHIL 728)
- Not Cross-Listed or Same As

List cross-listing courses (or type "none"):*

Biol 474C

CROSS-LISTING RATIONALE

Please answer the following questions in the "rationale" field below:

What aspect of graduate preparation is met via this course that goes beyond the undergraduate program?

What common aspects are offered in the cross-listings and what grad level pieces are not?

What would be beneficial in offering the cross-listed courses from a graduate education perspective?

Cross-listing Rationale: This class will be offered as a 400/600 course. This split format was requested by the SoLS director, and has been encouraged by the UNLV College of Sciences to increase graduate course offerings.

Credits

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 Repeatability

Can students repeat this course?* Yes No

If yes, insert maximum credits students can earn (blank=unlimited):

Grading

Grading System* Letter Grade
 S/U
 S/F (will count towards GPA)
 S/X/F for Thesis/Dissertation

Special Topics Courses

Is this a Special Topics course?* Yes No

List the topic(s):

Are topics repeatable? Yes No

If yes, list the credit limit for each topic:

Requisites (if any)

Graduate standing is the default prerequisite for all graduate-level courses.

Prerequisites:

Corequisites - course(s) that must be taken concurrently:

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
- Dissertation Research

Indicate the instructional modes that should be available for scheduling:*

- In Person Supplemental Web
- Field Study
- Hybrid
- Independent Study
- Web-based
- Web-based w/ on/off campus meeting
- Other

If other instructional mode, please describe and

describe and explain:

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.)
- New Option

Critically needed journals for this subject area:

Core books needed:

Electronic Resources:

B. This section is completed by the librarian.

Level of support the Library can provide:

Library Comments:

IV. Syllabus

Syllabus

An accessible 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 <https://www.unlv.edu/policies/current-policies>).

Cross-listed / Combined courses have only one syllabus that includes all the information for all courses being cross-listed/combined.



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 an accessible syllabus by navigating to the "attach a file" icon at the right of this form.

Files Attached: * Accessible Syllabus

READY TO SUBMIT?

After completing the form, please follow these steps:

1. Finish the launch of your proposal by clicking the decisions icon  located to the right of the form. This will display a new decision/approval field on the top right.
2. Click on "approve", add an optional comment if necessary, and then click on the "Make My Decision" button at the bottom to move the proposal forward to the next step. You will see a notification indicating that the proposal has moved forward. You will not be able to edit after moving the proposal forward.
3. Please note that it is your responsibility as the proposer to see that the proposal is reviewed and receives all necessary approvals. Please be encouraged to reach out to reviewers on each step, if necessary.
4. You can check the status of the proposal by clicking on the workflow status icon  to verify that the proposal has gone to the next step.


The workflow status icon  will also show you the current step of the proposal at any given time, and who are the reviewers at that step.


QUESTIONS? contact gradcurriculum@unlv.edu

V. Department Vote Information

Note: This section is to be filled out by the Department Chair on behalf of the department 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 in the fields below, along with the approval.
3. Then approve/reject by clicking the decisions icon  located to the right of the form. This will display a new decision/approval field on the top right. Click on "approve", add an optional comment if necessary, and then click on the "Make My Decision" button at the bottom to move the proposal forward to the next step. You will see a notification indicating that the proposal has moved forward. You will not be able to edit after moving the proposal forward.

The workflow status icon  will also show you the current step of the proposal at any given time, and who are the reviewers at that step.

If there were any modifications to the proposal, please enter them in the comments box below:

Comments: SoLS faculty voted in favor of both 474C as well as the graduate 674 component.

Date faculty voted on proposal: 9/3/2021


Result of vote (Number of yes/no/abstention votes): 21 Yes; 0 No; 0 Abstention


Manner of vote (online, in-person, etc.): Mixed online and in person

VI. College Vote Information

Note: This section is to be filled out by the Academic Associate Dean on behalf of the college/school 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 in the fields below, along with the approval.
3. Then approve/reject by clicking the decisions icon  located to the right of the form. This will display a new decision/approval field on the top right. Click on "approve", add an optional comment if necessary, and then click on the "Make My Decision" button at the bottom to move the proposal forward to the next step. You will see a notification indicating that the proposal has moved forward. You will not be able to edit after moving the proposal forward.

The workflow status icon  will also show you the current step of the proposal at any given time, and who are the reviewers at that step.

Date faculty voted on proposal: 9/7/21

Result of vote (Number of yes/no/abstention votes): 5-0

Manner of vote (online, in-person, etc.): online

VII. Graduate College and Registrar Use Only

PS Processing Notes:

PS Processing Date:

Initials:

Aalog Processing Notes:

Aalog Processing Date:

Initials:

Comments for BIOL - 674 - Climate Change Ecology

Curriculog	11/18/2021 10:08 am Reply
Graduate Curriculum has approved this proposal on Grad Curriculum Implementation / Follow Up.	
Curriculog	11/18/2021 9:24 am Reply
Emily Lin has approved this proposal on Graduate College Dean.	
Curriculog	11/17/2021 1:49 pm Reply
Graduate Curriculum has approved this proposal on Graduate Course Review Committee.	
Curriculog	11/17/2021 11:40 am Reply
James Navalta has approved this proposal on behalf of Graduate Course Review Committee. See Graduate Course Review Committee 11-10-2021 for more information.	
Andrew Andres	10/27/2021 5:44 pm Reply
This was approved unanimously by the 5-person College of Sciences Curriculum Committee on 9/7/21.	
Curriculog	10/27/2021 5:44 pm Reply
Andrew Andres has approved this proposal on School/College Associate Dean/ Dean.	
Curriculog	10/27/2021 11:21 am Reply
Rohan Dalpatadu has approved this proposal on School/College Committee.	
Curriculog	10/26/2021 5:16 pm Reply
Life Sciences Chair has approved this proposal on Department Chair.	
Curriculog	10/20/2021 3:49 pm Reply
Life Sciences Graduate Coordinator has approved this proposal on Graduate Coordinator.	
Curriculog	9/24/2021 0:17 am Reply
This proposal has passed its deadline and has been approved.	

Curriculog

9/23/2021 11:15 am [Reply](#)

Graduate Curriculum has approved this proposal on Technical Review.

Curriculog

9/22/2021 1:10 pm [Reply](#)

Matthew Petrie has approved this proposal on Originator.

Graduate Curriculum

9/7/2021 2:27 pm [Reply](#)

- Please revise and edit syllabus to clearly differentiate graduate requirements from undergraduate.

- Please review suggestive revised description. If satisfactory, no action needs to be taken, simply approve the proposal once again. Otherwise please re-edit and approve with comments.

- Please review adjustment made on mode of instruction following your question of which mode to choose for in-person. If satisfactory, no action needs to be taken, simply approve the proposal once again. Otherwise please re-edit and approve with comments.

For assistance please contact gradcurriculum@unlv.edu.

Curriculog

9/7/2021 2:27 pm [Reply](#)

Graduate Curriculum has rejected this proposal on Technical Review.

Matthew Petrie

9/1/2021 5:07 pm [Reply](#)

I believe that this proposal is ready for technical review.

Curriculog

9/1/2021 5:07 pm [Reply](#)

Matthew Petrie has approved this proposal on Originator.

Curriculog

8/30/2021 5:05 pm [Reply](#)

Matthew Petrie has launched this proposal.