

# BIOL - 621 - Conservation Genetics

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:\* 621

Is a new Prefix being suggested?  Yes  No

Suggested Prefix

Long Course Name:\* Conservation Genetics

Short Course Name\* Conservation Genetics

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\***

Investigates the conservation and restoration of biological diversity through understanding of ecological and evolutionary genetic principles and analyses applied to the conservation genetics of rare and endangered species. Emphasis on representative animal and plant species of special conservation concern. Crosslisted with BIOL 421G-X.

**Is this course a culminating experience?\*** Yes  No**If Yes, to which programs?****First Term Course Offered\*****Explanation for Course Create\***

Conservation genetics is a subject that draws from concepts and methods in ecological and evolutionary genetics to focus on the conservation and restoration of rare and endangered species. The field of conservation genetics has been emerging over the last 20 years as our understanding of the unique genetic and ecological problems of rare and endangered species. There is a great demand for people trained in conservation genetics to work on federal, state and non-government agencies to assist in conservation and restoring the biodiversity during a time a great environmental stress on life on earth. The School of Life Sciences at UNLV does not have a course covering this subject.

**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](http://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? none

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. none

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**

**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

**CROSS-LISTING / Same As, will this course be:\***

- Same As=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 (eg., WMST 497 & SOC 497) or different careers (e.g., BIOL 467 & BIOL 667 or PSC 722 & PHIL 728)
- Not Cross-Listed or Same As

**If yes, list the course** BIOL 421G-X

**If yes, please include below the rationale for crosslisting, answering to the following questions:**

- 1) What aspect of graduate preparation is met via this course that goes beyond the undergraduate program?**
- 2) What common aspects are offered in the crosslistings and what grad level pieces are not?**
- 3) What would be beneficial in offering the crosslisted courses from a graduate education perspective?**

**Crosslisting Rationale:** Independent graduate research paper of 20-25 pages. annotated bibliography, and graduate-level Oral presentation.

**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

**Differential fees required for this course? (if yes, please clarify on explanation field above)**

- Yes  No

### 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:**


Conservation Biology, Evolution, Molecular Evolution, Conservation Genetics

**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 <https://www.unlv.edu/policies/current-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 2/19/21


**Result of vote** 18 Y, 0 N, 0 Abs  
(Number of  
yes/no/abstention  
votes)

**Manner of vote** In person on webex  
(online, in-person,  
etc.)

## 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** 2/11/21  
**on proposal**

**Result of vote** 5Y, 0N, 0Abs  
(Number of  
yes/no/abstention  
votes)

**Manner of vote** In person on Webex  
(online, in-person,  
etc.)

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

**PS Processing Notes**

**PS Processing Date** 04/13/2021

**Initials** EJ

**Acalog Processing**  
**Notes**

**Aalog Processing** 04/13/2021  
**Date**

**Initials** EJ



## Comments for BIOL - 621 - Conservation Genetics

<b>Curriculog</b>	4/13/2021 11:36 am <a href="#">Reply</a>
This proposal has been completed.	
<b>Curriculog</b>	4/13/2021 11:36 am <a href="#">Reply</a>
REG Curriculum has approved this proposal on Implementation: Catalog and PeopleSoft.	
<b>REG Curriculum</b>	4/13/2021 11:36 am <a href="#">Reply</a>
PS & Acalog done. 4/13/2021. EJ	
<b>Curriculog</b>	4/5/2021 8:23 am <a href="#">Reply</a>
Emily Lin has approved this proposal on Graduate College Dean.	
<b>Curriculog</b>	4/2/2021 10:36 am <a href="#">Reply</a>
James Navalta has approved this proposal on behalf of Graduate Course Review Committee. See <a href="#">Graduate Course Review Committee 3-24-2021</a> for more information.	
<b>Curriculog</b>	4/2/2021 8:43 am <a href="#">Reply</a>
Graduate Curriculum has approved this proposal on Graduate Course Review Committee.	
<b>Andrew Andres</b>	2/22/2021 12:50 pm <a href="#">Reply</a>
This course was approved at a COS Curriculum Meeting on 2/11/21 by a vote of 5 yes, 0 no, 0 abstentions.	
<b>Curriculog</b>	2/22/2021 12:50 pm <a href="#">Reply</a>
Andrew Andres has approved this proposal on School/College Associate Dean/ Dean.	
<b>Curriculog</b>	2/22/2021 9:45 am <a href="#">Reply</a>
Rohan Dalpatadu has approved this proposal on School/College Committee.	
<b>Curriculog</b>	2/19/2021 7:57 pm <a href="#">Reply</a>
Life Sciences Chair has approved this proposal on Department Chair.	

**Curriculog**

2/19/2021 4:49 pm [Reply](#)

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

**Curriculog**

2/11/2021 4:43 pm [Reply](#)

**Graduate Curriculum has approved this proposal on Technical Review.**

**Daniel Thompson**

2/11/2021 11:51 am [Reply](#)

**Revised issues raised in Technical review**

**Curriculog**

2/11/2021 11:51 am [Reply](#)

**Daniel Thompson has approved this proposal on Originator.**

**Graduate Curriculum**

2/4/2021 8:33 am [Reply](#)

- Please replace syllabus to include minimum provostg criteria (attached)  
- 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.

For help and assistance please contact gradcurriculum@unlv.edu"

**Curriculog**

2/4/2021 8:33 am [Reply](#)

**Graduate Curriculum has rejected this proposal on Technical Review.**

**Curriculog**

2/1/2021 3:23 pm [Reply](#)

**Daniel Thompson has approved this proposal on Originator.**

**Curriculog**

2/1/2021 3:23 pm [Reply](#)

**Daniel Thompson has launched this proposal.**