

# Course Change Request

Date Submitted: 03/20/23 12:36 pm

Viewing: **BIOL 671 : Fundamental Concepts in Evolution**

Last approved: 01/14/23 5:53 am

Last edit: 04/13/23 9:34 am

Changes proposed by: dpolayes

### Catalog Pages referencing this course

- [Biology\\_\(BIOL\)](#)
- [Department of Biology](#)

### Select modification type:

**Substantial**

### In Workflow

- BIOL Graduate Representative**
- SC Curriculum Committee**
- SC Associate Dean
- Assoc Provost-Graduate
- Registrar-Courses
- Banner

### Approval Path

- 04/07/23 1:08 pm  
Iosif Vaisman (ivaisman):  
Approved for BIOL Graduate Representative

### History

- Jan 14, 2023 by Deborah Polayes (dpolayes)

Are you completing this form on someone else's behalf?

No

Effective Term: Fall 2023

Subject Code: BIOL - Biology

Course Number: 671

Bundled Courses:

Is this course replacing another course? No

**Equivalent Courses:**

**Catalog Title:** Fundamental Concepts in Evolution

**Banner Title:** Concepts of Evolution

**Will section titles vary by semester?** No

**Credits:** 3

**Schedule Type:** Lecture

**Hours of Lecture or Seminar per week:** 3

**Repeatable:** May only be taken once for credit (NR)  
\*GRADUATE ONLY\*

**Default Grade Mode:** Graduate Regular

**Recommended Prerequisite(s):**

~~UG courses in Ecology and Evolution~~

**Recommended Corequisite(s):**

**Required Prerequisite(s) / Corequisite(s) (Updates only):**

**Introduction to Genetics (Biol 311 or equivalent) and Introduction to Ecology (Biol 308 or equivalent).**

**Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):**

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?

**Registration Restrictions (Updates only):**

**Registrar's Office Use Only - Registration Restrictions:**

**Field(s) of Study:**

**Class(es):**

Include

Limited to students with a class of Advanced to Candidacy. (SCRRCLS\_ONLY\_DC)

Limited to students with a class of Graduate. (SCRRCLS\_ONLY\_GR)

Limited to students with a class of Non Degree (SCRRCLS\_ONLY\_ND)

Limited to students with a class of Senior Plus (SCRRCLS\_ONLY\_SP)

Limited to students with a class of Junior Plus (SCRRCLS\_ONLY\_JP)

**Level(s):**

**Degree(s):**

Exclude

Non-Degree Undergraduate Degree students may not enroll. (SCRRDEG\_NO\_NDU)

**School(s):**

## Catalog

### Description:

This course will provide a basic refresher on basic concepts and mechanisms in evolution and of their applications to different fields, from theoretical biology to applied science. Material used in this course includes a textbook in evolution to cover the basics concepts, a book on the history of evolutionary thinking, and articles focusing on the history, development and application of these concepts.

### Justification:

What: changing pre-reqs to Introduction to Genetics (Biol 311 or equivalent) and Introduction to Ecology (Biol 308 or equivalent).

Why: Students are unprepared for the course. Having to teach at the 300 level instead of a grad class.

**Does this course cover material which crosses into another department?** No

### Learning Outcomes:

Students will familiarize themselves with key concepts in evolution and evolutionary thinking. Students will also get the opportunity of seeing how these concepts can be applied to address different scientific questions and how evolutionary thinking is the basis of many integrative and comparative studies.

One of the main goals of this course is to develop and improve communication skills, critical thinking, and the capacity of integrating distinct ideas, theories and mechanisms crucial to understanding and studying evolution

### Attach Syllabus

[BIOL671-Syllabus.pdf](#)

[YChiariBiol691\\_Fall2023\\_Syllabus \(1\).pdf](#)

### Additional Attachments

**Specialized Course Categories:**

**Additional  
Comments:**

**Reviewer  
Comments**

Key: 17324