

# BIOL 54H: HONORS INSTITUTE SEMINAR IN BIOLOGY

## Foothill College Course Outline of Record

Heading	Value
<b>Effective Term:</b>	Summer 2022
<b>Units:</b>	1
<b>Hours:</b>	1 lecture per week (12 total per quarter)
<b>Advisory:</b>	Not open to students with credit in BIOL 34 or 34H.
<b>Degree &amp; Credit Status:</b>	Degree-Applicable Credit Course
<b>Foothill GE:</b>	Non-GE
<b>Transferable:</b>	CSU
<b>Grade Type:</b>	Letter Grade Only
<b>Repeatability:</b>	Not Repeatable

## Student Learning Outcomes

- The student can critically analyze a topic covered in the course.
- The student can use new vocabulary relevant to topic covered in the course.
- The student can identify and critically evaluate appropriate sources of information.

## Description

A seminar in directed readings, discussions and projects in biology. Specific topic to be determined by the instructor. This advanced honors course is open to all majors.

## Course Objectives

The student will be able to:

- analyze the selected topic in a skillful and thorough manner
- discuss the selected topic critically with instructor and other students
- explain the importance of the selected topic to the discipline of biology
- use new vocabulary relevant to the selected topic
- identify and critically evaluate information resources appropriate to the selected topic

## Course Content

- Readings, discussion, and critical analysis of the selected topic
- Use of primary, secondary, and other important monographs as appropriate
- Critical evaluation of sources of information
  - Internet resources
  - Written publications
    - Scholarly
    - Popular

## Lab Content

Not applicable.

## Special Facilities and/or Equipment

Library with internet access to scholarly publications.

## Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Participation in class discussions  
Cooperative learning assignments  
Oral presentations  
Written papers

## Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

Weekly classroom discussion of instructor- and/or student-selected readings  
Small group lecture activities introducing and emphasizing new concepts  
Student-led oral presentations, followed by analysis and discussion

## Representative Text(s) and Other Materials

Readings to be drawn from current publications as appropriate to the selected topic.

## Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- Weekly reading assignments as appropriate to topic. Publications may include primary scientific literature, reviews of scientific literature, secondary literature, web resources. Will be used to drive weekly class discussions.
- Preparation of at least one oral presentation of the topic to be supported by and documented with appropriate resources.
- Preparation of at least one research paper on the topic to be supported by and documented with appropriate resources.

## Discipline(s)

Biological Sciences