

# 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:

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

## Course Content

1. Readings, discussion, and critical analysis of the selected topic
2. Use of primary, secondary, and other important monographs as appropriate
3. Critical evaluation of sources of information
  - a. Internet resources
  - b. Written publications
    - i. Scholarly
    - ii. 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

1. 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.
2. Preparation of at least one oral presentation of the topic to be supported by and documented with appropriate resources.
3. Preparation of at least one research paper on the topic to be supported by and documented with appropriate resources.

## Discipline(s)

Biological Sciences