

Las Positas College
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Course Outline for BIO 29B

INDEPENDENT STUDY-BIOLOGY

Effective: Spring 2016

I. CATALOG DESCRIPTION:

BIO 29B — INDEPENDENT STUDY-BIOLOGY — 0.50 - 2.00 units

Supervised study in the area of biology. Any student interested in registering for a Independent Studies course should contact a full/part-time instructor or dean in the appropriate area no later than the last day of the tenth week of instruction.

0.50 - 2.00 Units Lab

Grading Methods:

Letter or P/NP

Discipline:

	<u>MIN</u>	<u>MAX</u>
Lab Hours:	27.00	108.00
Total Hours:	27.00	108.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

- A. Develop a project in Biology to develop skills or deepen knowledge
- B. Complete the project according to established standards in the field
- C. Effectively Communicate the essential concepts or results of the project to the instructor

V. CONTENT:

- A. Develop skills and knowledge that reinforce, or expand upon, class concepts
- B. Develop methodology and reporting structure for a project
- C. Communicate the essential applications or theories related to the Biology class

VI. METHODS OF INSTRUCTION:

- A. **Written exercises and case studies** - As noted in the Independent study form
- B. **Projects** - As noted in the Independent study form
- C. **Demonstration** - As noted in the Independent study form
- D. **Discussion** - With instructor
- E. **Classroom Activity** - Classroom Activity - Work with faculty member to develop necessary skills to full fill independent study.

VII. TYPICAL ASSIGNMENTS:

- A. Reading Assignments
 - 1. Identification of a research project may include extensive reading.
- B. Writing Assignment
 - 1. Identification of a topic related to independent study class may include a paper or other form of report of completed work.
- C. Lab Work
 - 1. Completion of a project may include laboratory or field work

VIII. EVALUATION:

A. **Methods**

- 1. Research Projects
- 2. Portfolios
- 3. Papers
- 4. Oral Presentation
- 5. Projects
- 6. Lab Activities
- 7. Other:

- a. Assignments/activities specified on Independent Study Form

B. **Frequency**

1. Research projects, portfolios, papers, oral presentations or any other method of evaluation are due by the end of the semester.
2. Projects and Lab Activities may require weekly status reports to promote frequency of activities completed. Entire project or lab activity is due at end of semester

IX. TYPICAL TEXTS:

1. Textbook, periodicals, references, or lab protocols associated with the project will be determined in consultation with the instructor.

X. OTHER MATERIALS REQUIRED OF STUDENTS:

- A. As needed