

# Biology (BIOLOGY)

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## **BIOLOGY 1A General Biology Lecture 3 Units**

**Department:** Biology

**Course level:** Undergraduate

**Terms course may be offered:** Fall, spring and summer

**Grading:** Letter grade.

**Hours and format:** 3 hours of Lecture and 1 hour of Discussion per week for 15 weeks. 6 hours of Lecture and 2 hours of Discussion per week for 8 weeks.

**Prerequisites:** Chemistry 1A and 1AL or equivalent with grade of C- or higher, or a 4 or 5 score on the Chemistry AP test; Chemistry 3A or 112A recommended; Biology 1AL must be taken concurrently (unless exempt by major).

General introduction to cell structure and function, molecular and organismal genetics, animal development, form and function. Intended for biological sciences majors, but open to all qualified students.

1B may be taken before 1A.

## **BIOLOGY 1AL General Biology Laboratory 2 Units**

**Department:** Biology

**Course level:** Undergraduate

**Terms course may be offered:** Fall, spring and summer

**Grading:** Letter grade.

**Hours and format:** 1.5 hours of Lecture and 3 hours of Laboratory per week for 15 weeks. 3 hours of Lecture and 6 hours of Laboratory per week for 8 weeks.

**Prerequisites:** 1A must be taken concurrently.

Laboratory that accompanies 1A lecture course. Intended for biological science majors, but open to all qualified students.

## **BIOLOGY 1B General Biology 4 Units**

**Department:** Biology

**Course level:** Undergraduate

**Terms course may be offered:** Fall, spring and summer

**Grading:** Letter grade.

**Hours and format:** 3 hours of Lecture, 3 hours of Laboratory, and 1 hour of Discussion per week for 15 weeks. 6 hours of Lecture, 6 hours of Laboratory, and 2 hours of Discussion per week for 8 weeks.

General introduction to plant development, form, and function; population genetics, ecology, and evolution. Intended for students majoring in the biological sciences, but open to all qualified students. Students must take both BIOLOGY 1A (<http://bulletin.berkeley.edu/search/?P=BIOLOGY%201A>) and 1B to complete the sequence. Sponsored by Integrative Biology.

## **BIOLOGY 11 Introduction to the Science of Living Organisms 3 Units**

**Department:** Biology

**Course level:** Undergraduate

**Term course may be offered:** Spring

**Grading:** Letter grade.

**Hours and format:** 3 hours of Lecture and 1 hour of Discussion per week for 15 weeks.

**Prerequisites:** For students not majoring in a biological science and for non-science majors.

Principles of biological organization and function using examples from plant and animal kingdoms. Similar in scope to Biology 1 except that knowledge of physical sciences is neither required nor assumed. Sponsored by Plant and Microbial Biology.

Students will receive no credit for 11 after receiving credit for both Integrative Biology 15 and 30. Instructors: Jones, Quail

## **BIOLOGY 11L Laboratory for Biology 11 2 Units**

**Department:** Biology

**Course level:** Undergraduate