

BIOLOGICAL SCIENCES (BIOL)

BIOL-C1000

Introduction to Biology with Lab

4 UNITS

Recommended Preparation: A "C" grade or higher or "Pass" in ENGL C1000 or ESL 122 or equivalent.

3.0 hours lecture, 3.0 hours laboratory

This combined lecture and laboratory course provides the non-biology major with an introduction to living things and their environment. Students use experimentation and investigation to develop important critical thinking skills. Students learn about the process of science, the building blocks of life, the role and regulation of DNA, how populations change over time, the movement of energy within and between life forms, and how species interact with each other and their surroundings. By the end of the course, students will be able to apply an understanding of biological concepts to current issues and their impacts on society. This course uses Evolutionary Theory to discuss and explain the major principles in Biology. These areas include natural selection, general and biochemistry, cell biology, homeostasis & metabolism, classical and molecular genetics, systematics, animal and plant structure and function, and ecology. The laboratory component extends and complements that lecture with hands-on experiences that include experimental design, light microscopy, cellular biology, enzymes, data analysis and interpretation, organismal biology, genetics, systematics, and ecology. Also recommended for Biology Majors and Pre-Allied Health Students to prepare for their advanced required Biology courses. Formerly BIO 120. Not open to students with credit in BIO 120. (CSU/UC) (AA/AS-5, CSU-B2,B3, IGETC-5B,5C, Cal-GETC-5B,5C)

Common Course Numbering:

BIOL-C1000 Introduction to Biology with Lab is part of Common Course Numbering. For more information, please visit the Grossmont-Cuyamaca Common Course Numbering Webpage.