

BIOL 195D Field Studies in Island Ecology (1, 1.5, 2, 2.5, 3)*½-1 hours lecture - 1½-7½ hours laboratory***Prerequisite:** A minimum grade of 'C' in BIOL 100 ; or BIOL 101 ; or BIOL 130 , or BIOL 131 ; or ZOO 100 ; or ZOO 101 ; or BIOL 114 ; or BOT 100 ; or BOT 101**Note:** Fee charged**Transfer acceptability:** CSU; UC

Field study of the unique ecology of islands, emphasizing systematics, speciation, observation and interpretation of the interactions of indigenous and exotic biota, and how the biotic communities of the study island(s) have adapted to the special limitations of their confined environments. See Class Schedule for locality to be visited.

BIOL 195E Field Studies in Tropical Biology (1, 1.5, 2, 2.5, 3)*½-1 hours lecture - 1½-7½ hours laboratory***Prerequisite:** A minimum grade of 'C' in BIOL 100 ; or BIOL 101 ; or BIOL 130 ; or BIOL 131 ; or ZOO 100 ; or ZOO 101 ; or BIOL 114 ; or BOT 100 ; or BOT 101**Note:** Fee charged**Transfer acceptability:** CSU; UC

Field study in the fauna and flora of selected tropical regions, with emphasis placed upon field identification, observation and interpretation of behavioral and ecological interrelationships of living things to their environment and to one another. See Class Schedule for locality to be visited.

BIOL 197 Biology Topics (.5 - 4)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Topics in Biology. See Class Schedule for specific topic offered. Course title will designate subject covered.

BIOL 200 Foundations of Biology I (5)*3 hours lecture - 6 hours laboratory***Prerequisite:** A minimum grade of 'C' in CHEM 110, or concurrent enrollment in CHEM 110**Transfer acceptability:** CSU; UC*

Molecular and cellular biology. Transmission, molecular, and population genetics. Aspects of reproduction of prokaryotes and eukaryotes. Principles of evolution and systematics. Recommended for biology majors.

BIOL 201 Foundations of Biology II (5)*3 hours lecture - 6 hours laboratory***Prerequisite:** A minimum grade of 'C' in BIOL 200, or concurrent enrollment in BIOL 200**Transfer acceptability:** CSU; UC*

An examination of the diversity of life, as seen in the Eubacteria, Archaea, and Eukarya, emphasizing the integration of structure and function, development, life histories, phylogenetics, animal behavior, and ecology. Recommended for biology majors.

BIOL 295 Directed Study in Life Science (1, 2, 3)*3, 6, or 9 hours laboratory***Prerequisite:** Approval of project or research by department chairperson**Transfer acceptability:** CSU; UC – Credit determined by UC upon review of course syllabus.

Independent study for students who have demonstrated skills and/or proficiencies in biology subjects and have the initiative to work independently on projects or research outside the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

Botany (BOT)

Contact the Life Sciences Department for further information.
(760) 744-1150, ext. 2275
Office: NS-207A

COURSE OFFERINGS**BOT 100 General Botany (4)***3 hours lecture - 3 hours laboratory***Note:** Not open to students with prior credit in BOT 101 or 101L.**Transfer acceptability:** CSU; UC – BOT 100 and 101/101L combined: maximum credit, 4 units

The diversity, structure, and function of major plant groups including cellular metabolism, soil water relationships, classification, genetics, life cycle patterns, growth, and the basic ecological and evolutionary concepts of botany. This is a general education course intended for non-science majors.

BOT 101 General Botany Lecture (3)*3 hours lecture***Note:** Not open to students with prior credit in BOT 100**Transfer acceptability:** CSU; UC – BOT 100 and 101/101L combined: maximum credit, 4 units

The diversity, structure, and function of major plant groups including cellular metabolism, soil water relationships, classification, genetics, life cycle patterns, growth, and the basic ecological and evolutionary concepts of botany.

BOT 101L General Botany Laboratory (1)*3 hours laboratory***Prerequisite:** A minimum grade of 'C' in BOT 101, or concurrent enrollment in BOT 101**Note:** Not open to students with prior credit in BOT 100**Transfer acceptability:** CSU; UC – BOT 100 and 101/101L combined: maximum credit, 4 units

A laboratory course in plant biology. Special emphasis on the structure, growth, function, genetics, and life cycles of major plant groups. This is a general education course intended for non-science majors.

BOT 195 Field Study of Native Plants (1, 1.5, 2, 2.5, 3)*½-1 hours lecture - 1½-7½ hours laboratory***Prerequisite:** A minimum grade of 'C' in BIOL 100 ; or BIOL 101 ; or BIOL 114 ; or BIOL 130 ; or BIOL 131 ; or BOT 100 ; or BOT 101 ; or ZOO 100 ; or ZOO 101**Transfer acceptability:** CSU; UC – Credit determined by UC upon review of course syllabus.

Extended field study of the flora of selected geographical areas including habitats, adaptations, and identification of native and naturalized species. See Class Schedule for locality to be visited. Fee charged.

BOT 197 Botany Topics (.5 - 4)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus. Topics in Botany. See Class Schedule for specific topic offered. Course title will designate subject covered.