

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, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.

Note: May be taken 4 times

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 215 Introduction to Biostatistics (4)

3 hours lecture-3 hours laboratory

Prerequisite: A minimum grade of 'C' in MATH 110 and BIOL 201

Note: This course does not qualify for mathematics credit

Transfer acceptability: CSU; UC*; max credit for one course: BIOL 215, PSYC 205, or SOC 205 and MATH 120, one course

An introduction to the quantitative analysis of biological data. Founded on the principles of the scientific process, this course provides experience in the design of biological experiments and the appropriate analysis and interpretation of biological data.

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

Note: May be taken 4 times

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 110 Botany of Spring Wildflowers (4)

3 hours lecture-3 hours laboratory

Transfer acceptability: CSU; UC

The identification, distribution, and interrelationships of plants in their natural environment; ecological principles; and representative plant communities. Special emphasis will be given to the study of plant families and the use of taxonomic keys.

BOT 115 Plants and People (3)

3 hours lecture

Transfer acceptability: CSU; UC – No credit if taken after 100 or 101/101L

The role of plants in the world ecosystem, including past and present cultural and economic uses for food, medicine, and industrial products. Principles of plant structure and function, with selected topics on plant diversity, plant adaptations, and the interrelationships between plants and people will also be discussed.

BOT 195 Field Study of Native Plants (1,2,3)

2, 4, or 6 hours lecture/laboratory

Note: May be taken 4 times

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, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.

Note: May be taken 4 times

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.

Business (BUS)

See also Accounting, Business Management, Insurance, International Business, Legal Studies, Office Information Systems, Paralegal Studies, Real Estate

Contact the Business Administration Department for further information.

(760) 744-1150, ext. 2488

Office: B-18