

**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 introductory course covering the principles and practice of experimental design and statistical analysis of biological data. Topics include hypothesis formation, development of experimental design and execution, data analysis and interpretation with application to biological and health sciences. Includes extensive use of computer software for statistical simulation and analysis.

**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

**Associate in Arts Degrees -**

AA Degree requirements are listed in Section 6 (green pages).

- Advertising, Marketing, and Merchandising
- Business Administration
- Business - General
- Internet - Emphasis in Business Education

**Certificates of Achievement -**

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Advertising, Marketing, and Merchandising
- Internet - Emphasis in Business Education
- Retail Management

**Certificates of Proficiency -**

Certificate of Proficiency requirements are listed in Section 6 (green pages).

- E-Business
- Entrepreneurship
- Salesperson - Retail