

BOTANY (BOT)

Credit Courses

BOT 100 Concepts of Botany (4 Units)

Hours: 108 (54 lecture, 54 lab)

Plant structure and function; the role of plants in the biosphere and society. Laboratory includes field studies. Designed for non-Biological Sciences majors with no prior general botany course.

SBCC General Education: SBCCGE Area A, SBCCGE Area 5

Transfer Information: Cal-GETC Area 5B, Cal-GETC Area 5C, CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

UC Transfer Limit: No credit for BOT 100 if taken after BOT 121; BOT 100, 121, and 122 combined: maximum credit, two courses.

BOT 121 Plant Diversity (4 Units)

Hours: 108 (54 lecture, 54 lab)

Plant diversity, adaptations and evolutionary history; principles of ecology and evolution.

SBCC General Education: SBCCGE Area A, SBCCGE Area 5

Transfer Information: Cal-GETC Area 5B, Cal-GETC Area 5C, CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

UC Transfer Limit: BOT 100, 121, and 122 combined: maximum credit, two courses.

BOT 122 Flowering Plant Identification (3 Units)

Hours: 90 (36 lecture, 54 lab)

Botanical classification, methods of identification, and recognition of important California plant species and families.

SBCC General Education: SBCCGE Area 5

Transfer Information: Cal-GETC Area 5B, Cal-GETC Area 5C, CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

UC Transfer Limit: BOT 100, 121 and 122 combined: maximum credit, two courses.

C-ID: AG-EH 112L.

BOT 123 Field Botany (3 Units)

Hours: 90 (36 lecture, 54 lab)

Flora and major plant communities of California. Evolution via natural selection (i.e., plant adaptations and selective pressures), geographic distribution of plant communities, indigenous uses, field identification, and biological conservation. Field lectures, laboratories, and camping. Multiple field trips varying from one to four days in length.

SBCC General Education: SBCCGE Area 5

Transfer Information: Cal-GETC Area 5B, CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

BOT 125 Fire Ecology (4 Units)

Hours: 108 (54 lecture, 54 lab)

The evolution and ecology of fire in CA plant communities; identification of dominant plants and their adaptations; the scientific method and conducting experiments in the lab and field; the plant kingdom; plant cells, anatomy, and physiology; mean fire return intervals (MFRI); fire behavior and the influences of weather, climate, human activities, and fuel; scientific surveys of plant communities and fuel loads; fire prevention and fire-fighting tools and practices and their relationship to ecology and natural fire regimes.

SBCC General Education: SBCCGE Area 5

Transfer Information: Cal-GETC Area 5B, Cal-GETC Area 5C, CSU Transferable