BOTANY (BOT)

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BOT Courses

BOT 121. General Botany. 4 units
2020-21 or later catalog: GE Area B2
2020-21 or later catalog: GE Area B3
2019-20 or earlier catalog: GE Area B2
2019-20 or earlier catalog: GE Area B4
The anatomy, morphology, physiology, reproduction, diversity, and
importance of plants. 3 lectures, 1 laboratory. Fulfills GE Areas B2 and B3
(GE Areas B2 and B4 for students on the 2019-20 or earlier catalogs).

BOT 311. Plants, People and Civilization. 4 units
2020-21 or later: Upper-Div GE Area B
2019-20 or earlier catalog: GE Area B5, B6, or B7
Prerequisite: Junior standing; completion of GE Area A with grades of C-
or better; and one course in GE Area B4 with a grade of C- or better (GE
Area B1 for students on the 2019-20 or earlier catalogs); and one of the
following courses: BIO 114, BIO 160, BIO 162 or BOT 121.

Human uses of plants for food, beverage, medicine, fiber, recreation, and
rituals. Uses of plants by different cultures throughout the world and the
social, economical, and environmental importance of plants in our lives.
Field trip required. 3 lectures, 1 laboratory. Fulfills GE Area Upper-Division
B (GE Areas B5, B6, or B7 for students on the 2019-20 catalog).

BOT 313. Taxonomy of Vascular Plants. 4 units
Prerequisite: BIO 114 or BIO 162 or BOT 121.

Introduction to classification and identification of vascular plants,
emphasizing major plant families; field and herbarium techniques. 2
lectures, 2 laboratories.

BOT 323. Plant Pathology. 4 units
Prerequisite: BIO 162 or BOT 121.

Comprehensive study of the causes and effects of diseases of plants.
Designed to lead to an understanding of plant pathology, and modern
methods to control plant disease. 2 lectures, 2 activities. Crosslisted as
AEPS/BOT 323.

BOT 326. Plant Ecology. 4 units
Prerequisite: BIO 114, BIO 162, BIO 211, or BOT 121. Recommended: BIO
263 and STAT 217 or STAT 218.

Plant communities, population dynamics, and effects of the following
environmental factors on plant growth and development: soil, water,
temperature, light, atmosphere, topography, organisms, and fire. 3
lectures, 1 laboratory.

BOT 433. Field Botany: California Plant Diversity. 5 units
Prerequisite: BOT 313, or graduate standing in Biological Sciences.

Field studies of California’s diverse vegetation. Identification of plants
and plant communities in the field. Factors affecting distribution and
ecological relationships. California geography, geology, and evolution
of California flora. Several one day field trips and three weekend trips
to California’s deserts and mountains. Field trips required. 3 lectures, 2
laboratories.