

# BOTANY (BOT)

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## BOT Courses

### **BOT 121. General Botany. 4 units**

Term Typically Offered: F, W, SP  
 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**

Term Typically Offered: F  
 2020-21 or later: Upper-Div GE Area B  
 2019-20 or earlier catalog: GE Area B5, B6, or B7  
 Sustainability Focused

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 150, 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**

Term Typically Offered: W  
 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**

Term Typically Offered: F, W, SP  
 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 BOT/PLSC 323. Formerly AEPS/BOT 323.

### **BOT 326. Plant Ecology. 4 units**

Term Typically Offered: TBD  
 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**

Term Typically Offered: SP  
 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.