

# BOTANY

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## **BOT M01 Introduction to Botany 5 Units**

*In-Class Hours:* 52.5 lecture, 105 laboratory

Emphasizes the physical and chemical aspects of life as related to plants. Includes cellular organization, metabolism, reproduction, heredity, ecology, evolution, and plant kingdom survey. Examines the anatomy and physiology of representative plants in each of the major plant groupings.

*Advisories/Rec Prep:* BIOL M02A or BIOL M02AH

**Grade Modes:** Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

**Field Trips:** May be required

**Degree Applicability:** Applies to Associate Degree

**AA/AS GE:** A1

**Transfer Credit:** CSU, UC

**UC Credit Limitations:** None

**CSU GE-Breadth:** B2, B3

**IGETC:** 5B, 5C

## **BOT M06 Plants and Society 4 Units**

*In-Class Hours:* 52.5 lecture, 52.5 laboratory

Introduces basic concepts related to plant structure, function, genetics, evolution, and domestication. Examines the economic, aesthetic, and ecological roles of plants, and considers the role of plants as a force in shaping civilizations. Stresses the importance of plants and plant products in everyday life, as well as their ritualistic and pharmacological uses. Presents basic scientific principles and techniques using examples from plants and their products to gain an understanding of science and its value in today's society.

**Grade Modes:** Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

**Field Trips:** May be required

**Degree Applicability:** Applies to Associate Degree

**AA/AS GE:** A1

**Transfer Credit:** CSU, UC

**UC Credit Limitations:** None

**CSU GE-Breadth:** B2, B3

**IGETC:** 5B, 5C

## **BOT M122 Independent Study - Botany 0.5-3 Units**

*In-Class Hours:* 26.25-157.5 laboratory

*Prerequisites:* Completion of one course in Botany and instructor approval

Allows independent study for students who wish to extend their knowledge of a particular area of Botany through research and study. Utilizes an approved independent project. Includes one-on-one work with instructor. Interested students should contact a Botany instructor for assistance in developing a contract for learning about a specific topic.

**Grade Modes:** Letter Graded, Student Option- Letter/Credit, Pass/No Pass Grading

**Field Trips:** May be required

**Degree Applicability:** Applies to Associate Degree

**AA/AS GE:** None

**Transfer Credit:** CSU

**UC Credit Limitations:** None

**CSU GE-Breadth:** None

**IGETC:** None