

BOTANY (BOTAN)

BOTAN 1310 (L1 901L)

Ethnobotany

4 Credit Hours

This course is designed to introduce students to the origins of many of the plants and plant products that are an important part of everyday life, and the ways that the development of different cultures has been influenced by plants throughout history. Topics covered include basic plant morphology, plant reproduction, origins of major agricultural crops, economically important plant products, and medicinal and poisonous plants. Designed for non-science majors and interested students. (3 lecture hours, 2 lab hours) ** Note ** This course, taken after Spring 2017, will NOT count towards the Life Science requirement in the AA, AS, AFA or AAT degrees.

Course types: Physical/Life Science (A.A.S., A.G.S.)

BOTAN 1320

Prairie Ecology

4 Credit Hours

The organisms, environments and ecological processes of the tallgrass prairie ecosystem are examined through lecture, discussion and field studies. Identification of prairie plants, with an emphasis on species in northern Illinois, is included. Students participate in College of DuPage's prairie reconstructions. Field trips and activities are required. BIOLO 1100 or BIOLO 1151 is recommended. (2 lecture hours, 4 lab hours)

Course types: Physical/Life Science (A.A.S., A.G.S.)

BOTAN 1800

Special Project

1-3 Credit Hours

Special project courses in botany cover topics not otherwise covered by general education courses and other courses in the catalog for the botany discipline. These courses require direct experience and focused reflection in an in-depth study of a specific botany topic and/or the critical analysis of contemporary issues in botany. They are targeted to self-selected students with an interest in the subject matter and involve active participation. The course delivery incorporates an experiential component of no less than 30% but not to exceed 70%. This experiential component may include field studies, interdisciplinary learning, and/or the practical application of botany concepts, theories, principles, and methods with a specific focus. All courses require an orientation session to deliver academic and experiential information (syllabus, academic requirements, field preparation, logistics, etc.). This course can be taken four times for credit as long as a different topic is chosen. (1 to 3 lecture hours, 1 to 3 lab hours)

Course types: Physical/Life Science (A.A.S., A.G.S.)

BOTAN 1820

Selected Topics I

3 Credit Hours

Introductory exploration and analysis of selected topics in botany with a specific theme indicated by course title listed in college class schedule. This course may be taken four times for credit as long as different topics are selected. (3 lecture hours)

Course types: Physical/Life Science (A.A.S., A.G.S.)

BOTAN 1821

Selected Topics II

1-3 Credit Hours

Introductory exploration and analysis of selected topics with a specific theme indicated by course title listed in college class schedule. This course may be taken four times for credit as long as different topics are selected. (2 lecture hours, 2 lab hours)

Course types: Physical/Life Science (A.A.S., A.G.S.)

BOTAN 1840

Independent Study

1-4 Credit Hours

Exploration and analysis of topics within botany to meet individual student-defined course description, goals, objectives, topical outline and methods of evaluation in coordination with and approved by the instructor. This course may be taken four times for credit as long as different topics are selected. (2 to 8 lab hours)

Prerequisite: Consent of instructor is required.

Course types: Physical/Life Science (A.A.S., A.G.S.)

BOTAN 2350

Introduction to Botany

4 Credit Hours

Introduction to Botany, including classification, morphology, anatomy, physiology and diversity. Includes lab and field experiences. (2 lecture hours, 6 lab hours)

Prerequisite: BIOLO 1151.

Course types: Physical/Life Science (A.A.S., A.G.S.)

BOTAN 2360

Local Flora

3 Credit Hours

Explores the ecology and distribution of vascular plants from selected study areas. Includes the basic principles and methods of plant taxonomy: identification, classification, herbarium techniques. Study areas in addition to the College of DuPage campus will be indicated in the current class schedule. Costs vary. (1 lecture hour, 4 lab hours)

Prerequisite: BIOLO 1152 or BOTAN 2350 or equivalent.

Course types: Physical/Life Science (A.A.S., A.G.S.)

BOTAN 2800

Special Project

1-3 Credit Hours

Advanced experiential courses in botany cover topics not otherwise covered by general education course and other courses in the catalogue for the botany discipline, while building upon academic knowledge and skills acquired in introductory-level botany classes. These courses required direct experience and focused reflection in an in-depth study of a specific botany topic and/or the critical analysis of contemporary issues in botany. They are targeted of self-selected students with an interest in the subject matter and involved active participation. The course delivery incorporates an experiential component of no less than 30 % but not to exceed 70%. This experiential component may include field studies, interdisciplinary learning, and/or the practical application of more complex botany concepts, theories, principles, and methods with a specific focus. All course require and orientation session to deliver academic and experiential information (syllabus, academic requirements, field preparation, logistics, etc.) (1 to 3 lecture hours, 1 to 3 lab hours)

Prerequisite: At least one course in Botany or consent of instructor.

Course types: Physical/Life Science (A.A.S., A.G.S.)

BOTAN 2860***Internship (Career & Technical Ed)***

1-4 Credit Hours

Course requires participation in Career and Technical Education work experience with onsite supervision. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Credit is earned by working a minimum of 75 clock hours per semester credit hour, up to a maximum of four credits. (5 to 20 lab hours)

Prerequisite: Consent of instructor and 2.0 cumulative grade point average; 12 semester credits earned in a related field of study; students work with Career Services staff to obtain approval of the internship by the Dean from the academic discipline where the student is planning to earn credit.

Course types: Contemporary Life Skills (A.A., A.S., A.A.S., A.G.S.), Physical/Life Science (A.A.S., A.G.S.)

BOTAN 2865***Internship Advanced (Career & Tech Ed)***

1-4 Credit Hours

Continuation of Internship (Career and Technical Education). Course requires participation in Career & Technical Education work experience with onsite supervision. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Credit is earned by working a minimum of 75 clock hours per semester credit hour, up to a maximum of four credits. (5 to 20 lab hours)

Prerequisite: Consent of instructor and 2.0 cumulative grade point average; 12 semester credits earned in a related field of study; students work with Career Services staff to obtain approval of the internship by the Dean from the academic discipline where the student is planning to earn credit.

Course types: Contemporary Life Skills (A.A., A.S., A.A.S., A.G.S.), Physical/Life Science (A.A.S., A.G.S.)

BOTAN 2870***Internship (Transfer)***

1-4 Credit Hours

Course requires participation in work experience with onsite supervision. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Credit is earned by working a minimum of 75 clock hours per semester credit hour, up to a maximum of four credits. (5 to 20 lab hours)

Prerequisite: Consent of instructor and 2.0 cumulative grade point average; 12 semester credits earned in a related field of study; students work with Career Services staff to obtain approval of the internship by the Dean from the academic discipline where the student is planning to earn credit.

Course types: Contemporary Life Skills (A.A., A.S., A.A.S., A.G.S.), Physical/Life Science (A.A.S., A.G.S.)

BOTAN 2871***Internship - Advanced (Transfer)***

1-4 Credit Hours

Internship - Advanced (Transfer) – Continuation of Internship (Transfer). Course requires participation in work experience with onsite supervision. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Credit is earned by working a minimum of 75 clock hours per semester credit hour, up to a maximum of four credits. (5 to 20 lab hours)

Prerequisite: Consent of instructor and 2.0 cumulative grade point average; 12 semester credits earned in a related field of study; students work with Career Services staff to obtain approval of the internship by the Dean from the academic discipline where the student is planning to earn credit.

Course types: Contemporary Life Skills (A.A., A.S., A.A.S., A.G.S.), Physical/Life Science (A.A.S., A.G.S.)