

U208-100: Survey of Botany

Course Format: Online

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Course credits: 3

Prerequisites: None; Appropriate for advanced high school and all college students

Course Description:

Learn how plants are named and related, how plants are put together, how they grow and reproduce, their physiological processes, how they change over time, and how they relate to their environment. Students plant kidney bean and corn seeds and watch their development.

Required Course Materials:

- *Introductory Plant Biology*, 11th ed., by Stern, Bidlack, and Jansky (McGraw-Hill, 2007). ISBN: 978-0073314211

Hardware Requirements

You will need a webcam, speakers, and a microphone. You will complete your exams through an online proctor, requiring all three components.

Course Learning Objectives:

After completing this course, the student will be able to:

- Discuss how plants are named.
- Explain how the varieties of plants are related.
- Summarize plant structure.
- State how plants grow, develop, and reproduce.
- Discuss how plants have changed through time.
- Demonstrate how plants relate to their environments.

Course Overview:

UNIT #	Module Topic	Evaluated Activities
1	The Nature of Life and the Plant Kingdom	Written Assignment
2	Cells and Tissues	Written Assignment
3	Stems and Roots	Written Assignment
4	Leaves, Flowers, Fruits, and Seeds	Written Assignment
5	Moving Water, Minerals, and Food	Written Assignment
6	Plant Metabolism	Written Assignment
Midcourse Exam		
7	Growth and Regulation of Development	Written Assignment
8	Genetics and Evolution	Written Assignment
9	Plant-like Organisms	Written Assignment
10	Plants without Seeds	Written Assignment
11	Seed Plants	Written Assignment
12	Plants and the Environment	Written Assignment
Final Exam		

Evaluation Methods:

Your final grade will be based on your performance on the following:

1. Written Assignments (40%)
2. Midcourse Exam (30%)
3. Final Exam (30%)

Written Assignments (40%)

These assignments, which contain a mix of multiple choice, true/false, and extended answer questions, are assigned in each unit of this course and will cumulatively account for 40% of your final course grade.

Midcourse Exam (30%)

This exam, which contains a mix of multiple choice, true/false, and extended answer questions, covers material from the first six units of the course and accounts for 30% of your final course grade.

Final Exam (30%)

This exam, which contains a mix of multiple choice, true/false, and extended answer questions, covers material from the last six units of the course and accounts for 30% of your final course grade.

Exam Method: Online with Proctoring

This course requires all students to complete exams online with a proctoring service. Students receive two attempts on each exam. If you elect to take a second attempt, the average of both exams will be recorded.

Grading Scale:

The following grading scale is used to evaluate all course requirements and to determine your final grade:

Grade	Percentage
A	93–100
AB	88–92.9
B	83–87.9
BC	78–82.9
C	70–77.9
D	60–69.9
F	Below 60

Pass/Fail Option

Students who enroll in an Independent Learning (IL) course under the pass/fail option will receive a final grade of S in place of a final grade equivalent to an A, AB, B, BC, or C and a final grade of U in place of a final grade equivalent to a D or F.