

BIOL 2211 General Botany

Instructor Information:

Name

Office phone

Office location

Office hours

E-mail address

I. Course Description

A course in the anatomy, physiology, reproduction and taxonomy of lower to higher plants. Topics include organization of plant cells and tissue systems, morphology, respiration and photosynthesis, genetics, growth and development, environmental factors, nutrition, ecology, and mechanisms of evolution.

The laboratory component of the course is integrated into the lectures (i.e., there is no separate lab time).

Credit: 4 credits, 3 class hours, 3 lab hours

Prerequisite: Level 2 placement in English and Reading.

II. Course Outcomes and Topics

Upon successful completion of this course, the students will:

- Identify the four basic plant processes and apply them to plant growth.
- Compare and contrast plant tissues and determine their structural function and role in plant physiology.
- Classify and describe the general morphology of plants.
- Assess the importance of plants to modern agriculture, medicine, and aesthetics.
- Define the importance of plant ecosystems at human and global levels.

Course Topics

- Plant ecology
- Plant cells and energy conversions
- Photosynthesis and respiration
- Tissues and morphology
- Growth processes
- Environmental factors influencing growth
- Mineral nutrition
- Primary and secondary growth
- Leaves and transpiration
- Reproductive systems
- Flower and seed anatomy
- Genetics
- Natural, artificial selection
- Plant classification
- Bacteria, algae
- Bryophytes
- Ferns
- Gymnosperms
- Angiosperms

Lab Topics

- Greenhouse management
- Photosynthesis
- Respiration
- Transpiration
- Phytohormones
- Propagation
- Microscope
- Plant anatomy/morphology
 - cyanobacteria
 - algae
 - bryophytes
 - gymnosperms
 - angiosperms

III. Required Materials

- *Introductory Plant Biology*, Stern and Bidlack (McGraw-Hill ISBN: 978-0-07-304052-3).
- *A Photographic Atlas for the Botany Laboratory*, Fifth edition by Kent Van De Graaff (Morton Publisher ISBN: 0-89582-770-0).

IV. Course Policies

Attendance Policy:

This course shall follow the college catalog. Please be advised that instructors also may have a more specific class policy. Failure to attend class will result in a final course grade of “FA” or “FN” (see explanation below), depending on the individual instructor’s course policy.

FA= failure, attendance-related (unofficial withdrawal) Last recorded date of attendance required
FN= failure, never attended class (unofficial withdrawal)

Assessment and Grading: ***Subject to change at instructor’s discretion

In order to receive credit for this course, the student must.

- a. Attend class regularly
- b. Complete lab and class assignments
- c. Have a final average of 60 or more
- d. Complete all tests and a final exam

Grades for this course will be based on unit tests, class and lab assignments, and a final test. The completed lab notebook will count for one test grade. Attendance for exams is a requirement of the course. If a student misses an exam, for whatever reason, a makeup exam may be taken during final week. The makeup exam will cover only the material the missed exam covered. Only one makeup exam will be given per student. If a student misses more than one exam then a zero will be assigned to the other missed exams. There are no makeup exams for the final test.

Lecture Exams	60%
Labs	25%
Assignments	15%

The final lecture exam will be given during the scheduled final exam period as published by the college.

Grading Scale

90-100	A
80-90	B
70-80	C
60-70	D
Below 60	F

Safety issues

The instructor will go over new regulations regarding safety in lab classes. You must turn in a signed copy of the regulations, and you will have a copy to keep.

V. ADA Statement

Nashville State complies with the Americans with Disabilities Act. If you wish to request any special accommodations for any courses in which you are enrolled, contact the Students Disabilities Office. Such Services must have proof of documentation that is not over 3 years old. Contact the Disabilities Coordinator at 353-3721.

VI. Classroom Behavior

Nashville State Community College has a zero tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary sanctions.

The instructor has primary responsibility for control over classroom behavior and maintenance of academic integrity. He/she can order temporary removal or exclusion from the classroom of any student engaged in disruptive conduct or conduct which violates the general rules and regulations of the College.

Disruptive behavior in the classroom may be defined as, but is not limited to, behavior that obstructs or disrupts the learning environment (e.g., offensive language, harassment of students and professors, repeated outbursts from a student which disrupt the flow of instruction or prevent concentration on the subject taught, failure to cooperate in maintaining classroom decorum, etc.), the continued use of any electronic or other noise or light emitting device which disturbs others (e.g., disturbing noises from beepers, cell phones, palm pilots, lap-top computers, games, etc.).

Please be aware that children are not allowed in class or unattended on campus.

Academic Dishonesty (Honor Code)

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. "Plagiarism may result from: (1) failing to cite quotations and borrowed ideas, (2) failing to enclose borrowed language in quotation marks, and (3) failing to put summaries and paraphrases in your own words" (A Writer's Reference 331). Academic dishonesty may be defined as, but is not limited to, intentionally trying to deceive by claiming credit for the work of another person, using information from a web page or source without citing the reference, fraudulently using someone else's work on an exam, paper, or assignment, recycling your own work from another course, purchasing papers or materials from another source and presenting them as your own, attempting to obtain

exams/materials/assignments in advance of the date of administration by the instructor, impersonating someone else in a testing situation, providing confidential test information to someone else, submitting the same assignment in two different classes without requesting both instructor's permission, allowing someone else to copy or use your work, using someone else's work to complete your own, altering documents, transcripts or grades, and forging a faculty/staff member's signature. In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty the instructor has the authority to assign an "F" or a "Zero" for the exercise, paper, or examination or to assign an "F" for the course.

NOTE: This syllabus is meant simply as a guide and overview of the course, the topics, the objectives, the general assessments, and some standard college policies. Some items are subject to change or revision at the instructor's discretion. Each instructor will further clarify their criteria for grading, classroom procedures, attendance, exams and dates, etc.