

CUMBERLAND COUNTY COLLEGE

Course: BI 204 General Botany

Credits: 4

Prerequisites: BI 101

Description:

An integrated course with laboratory exercises closely correlated to the lectures dealing with the study of the fundamentals of plant science such as plant anatomy, morphology, physiology, reproduction and taxonomy with emphasis on the phyla representing the higher forms of plant life.

Learning Outcomes:

Upon successful completion of this course, students will be able to:

- Apply the scientific method in the study of the principles of botany.
- Identify and describe the structural components of a plant cell and their functions.
- Identify various anatomical and physiological aspects of plant tissue and organs.
- Explain the processes of photosynthesis and respiration.
- Discuss plant taxonomy and the diversity of plants.
- Describe basic plant evolution.
- Discuss the biological differences between the major plant families.
- Describe the structure, function, growth and development of flowering plants.

Topical Outline:

- Scientific Method
- Plant cell
- Plant tissue and organs
- Photosynthesis and respiration
- Taxonomy
- Plant evolution
- Major plant families
- Growth and development of flowering plants

Text:

Nabors, M. *Introduction to Botany*. Pearson Education, Inc.

Academic Integrity:

Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking, and in oral reports the ideas or exact words of someone else without proper documentation.

Whether the act of plagiarism is deliberate or accidental [ignorance of the proper rules for handling material is no excuse], plagiarism is, indeed, a “criminal” offense.

As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Tutoring & Project Assist:

If you are having difficulty with work in this class tutoring is available through the Center for Academic & Student Success. If you think that you might have a learning disability, contact Project Assist at 856.691.8600 x 1282 for information on assistance that can be provided to eligible students.

Before Withdrawing From This Course:

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) **BEFORE** withdrawing from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA, which can limit or eliminate future financial aid in addition to causing academic suspension.