



NORTHWEST FLORIDA STATE COLLEGE

Course Syllabus

Course Name: General Biology

Course Number: BSC1005

Section: 20076

Credit Hours: 3

Instructor Name: Dr. Philip Heise

Instructor Office Location: 350/213 Niceville Campus

Instructor Email: heisep@nwfsc.edu

Course Curriculum

This course applies the scientific method to critically examine and explain the natural world including but not limited to cells, organisms, genetics, evolution, ecology, and behavior.

Goals

- Students will understand the structure and function of the two major types of cells and the cell's importance as the basic unit of life.
- Students will be able to explain cellular metabolism and the energy cycle, with an emphasis on photosynthesis and cellular respiration.
- Students will develop an appreciation for the interconnected relationships of living organisms, from the cellular level to the biosphere, and how humans interact with the natural world.
- Students will understand how DNA is used to code the instructions for life, how it is transmitted to future generations, and how changes to it affect survival.
- Students will learn basic human anatomy and physiology.

Objectives

Student Learning Outcomes:

- Students will evaluate data regarding validity.
- Students will read and interpret a variety of scientific data.
- Students will describe the natural world.
- Students will articulate and practice the scientific method.

Student Expectations of the Course

- **Office Hours:** The instructor will be available for a minimum of six hours a week outside of class time to answer questions and address any concerns of the student.
- **The Use of Canvas as the Learning Management System:** All courses utilize [Canvas](#) as an online class component. Students can access the course syllabus and their grades at any time and may be required to submit coursework through Canvas. As such, access to a computer with internet connectivity is required for the course. Students have free access to computers at all campuses and centers.

- **Email/voicemail Response Time of the Instructor:** Students can expect responses to inquiries and questions within 24 – 48 business hour (NOTE: NWFSC is closed Fridays and weekends).
- **Student Attendance and Participation:** Student attendance and participation is expected.

How Student Performance Will be Measured

Student performance will be measured by one or more of the following methods:

- Written exams (multiple choice, true/false, fill-in-the-blank, essay, etc.)
- Homework assignments
- In-class participation and discussions
- Term paper(s)
- Online quizzes
- Group projects