

# Environmental Science

## OBJECTIVE

To integrate students' knowledge from chemistry and biology while investigating topics relating to Earth cycles, ecology, human impacts, and policy, and to empower students to understand the changing physical world and the forces directing them.

## PHILOSOPHY

UMWELT and using an integrative thought process that humans are part of the system and nature is not static.

## PRIMARY TEXT

*Environment: The Science Behind The Stories, 7<sup>th</sup> Edition* by Jay Withgott & Matthew Laposata

## SUPPLEMENTARY TEXT

*Environmental Science: Toward a Sustainable Future, 13<sup>th</sup> Edition* by Richard T. Wright & Dorothy F. Boorse.

*Classics in Environmental Studies: An Overview of Classic Texts in Environmental Studies* by Neilssen, Van der Straiten, & Klinkers

## SCHEDULE & TOPICS

Cycle	Topics
1	Populations and Ecology
2	Ecology, Continued and Systems
4	Cycles and Global Patterns
5	Policy, Issues, and Change

## CLASS PREPAREDNESS

Arrive to class with a notebook and writing utensil daily (colored pencils/pens are recommended as well). Taking notes on lecture materials and labs in notebooks is mandatory. It is the preferred method for note taking, computers and tablets are not acceptable. Computers will be used in class for research, projects, and composing some assignments.

## TECHNOLOGY

The use of computers, tablets, cell phones, etc. are not permitted in class unless otherwise specified by the instructor.

## GRADING

Grades will be calculated based on participation, homework, projects, in-class work and labs, and quizzes and tests. The scale is the traditional 10% scale:

A=100-90, B=89-80, C=79-70, D=69-60, & E=59-0

Participation = 10%

Homework = 15%

Labs = 25%

Projects = 25%

Quizzes & Tests = 25%

#### LATE POLICY

All work turned in late is subject to a daily 10% reduction in grade.