Environmental Science (ENVRN-041)

Environmental Science Syllabus

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Course Description

Environmental Science is a subject that incorporates many science disciplines. With topics exploring the Earth and the interaction between organisms, humans, and the environment, as well as geology and its impact on environmental changes, students will experience a broad range of interests. Throughout the course, students will relate various concepts to the management of resources and sustainable societies, analyzing human impact on the environment.

Prerequisites

There are no prerequisites for this course.

Course Materials

All of the materials students need are included in the course. Students do not need to buy any additional textbooks.

Course Policies

For information about resubmitting assignments, retaking exams, how long students are given to complete the course, and other questions, please .

Course Outcomes

As students complete the course assignments, they will increase their knowledge, improve a 21st-century skill, and develop an attribute.

Knowledge: Environmental Science

In this course, *knowledge* refers to the subject matter and content students will learn while completing the readings, practices, quizzes, and assignments.

On successful completion of this course, students will be able to do the following:

1. Analyze data to explain the organizations, factors, energy, cycles, and changes that determine dynamic ecosystems.
2. Construct arguments for the risks and benefits of using renewable and nonrenewable energy sources.
3. Construct explanations for how humans obtain and use natural resources.
4. Design a resource management plan to identify sustainable methods of obtaining and using resources.

21st-Century Skill: Critical Thinking—Information and Discovery

As students complete this course's assignments, they will gain skills in *Information and Discovery*. This skill is part of Critical Thinking.

Attribute: Responsibility

This course focuses on developing the attribute of *responsibility* in the context of Environmental Science.

Grading and Assignments

The letter grade in this course will be based on these assignments and exams.

Assignments and Exams

Assignment or Exam	Grading	**Percent of Total Grade**
Assignments	Teacher-Graded	40%
Content Guides	Teacher-Graded	20%
Unit Quizzes	Computer-Graded	15%
Midcourse Quiz	Computer-Graded	10%
Final Exam	Computer-Graded	15%

Content Guides

The content guides require students to take notes on specific ideas throughout the lessons. These guides will also have questions to prompt reflection and application for responsibility and sustainability, related to students' own experiences. These guides should be downloaded and kept on the student's computer so they can be filled in and then submitted at the end of each unit. Submissions will be at the end of modules 4, 8, 12, and 15.

Assignments

There will be nine assignments in addition to the content guides. These assignments will be teacher-graded, and provide an opportunity to explore and demonstrate understanding of the course material. Students will also be able to practice the criteria for the twenty-first-century skill.

Unit Quizzes

This course is divided into four units. Each unit will contain a computer-graded quiz at the end.

Midcourse Quiz

This computer-graded quiz will cover the material up to the midcourse quiz. The questions on the midcourse quiz will be similar in format to the questions on the final exam.

Final Exam

The final exam will cover material from the entire course.

Course Grade

The letter grade will be calculated according to these percentages.

Percent to Letter Grade Calculation	
A	100%–93%
A–	<93%–90%
B+	<90%–87%
B	<87%–83%
B–	<83%–80%
C+	<80%–77%
C	<77%–73%
C–	<73%–70%
D+	<70%–67%
D	<67%–63%
D–	<63%–60%
F (fail)	<60%–0%