UVU UTAH VALLEY UNIVERSITY™

Master Course Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: https://catalog.uvu.edu/

Semester: Spring
Course Prefix: ENVT
Course Title: Introduction to Environmental Science and Management

Year: 2.25
Course and Section #: 1110-006
Credits: 3

Course Description

This course is an introduction to Environmental Science and Environmental Management. Environmental Science & Management can give us the tools to help find solutions to many of today's environmental problems. We will be learning about issues such as sustainable use and management of our natural resources (energy, plants, animals, waste, water, mineral, food…), pollution control, and protecting our climate. We will be examining the basics of Ecology, Hydrology, Geology, Climatology, and Engineering and how these fields apply to the social and economic interactions within our everyday lives. However, also realize that metacognition skills, campus resources, and other skills that will help you succeed as a college student at UVU will be integrated throughout the course.

Course Attributes

This course has the following attributes:
☒ General Education Requirements
☐ Global/Intercultural Graduation Requirements
☐ Writing Enriched Graduation Requirements
☒ Discipline Core Requirements in Program
☐ Elective Core Requirements in Program
☐ Open Elective
Other: *Click here to enter text.*

Instructor Information

Instructor Name: Dr. Rachel Atkins

Student Learning Outcomes

After actively engaging in this class, students will be able to…
1. Describe how environmental processes are impacted by humans, how our society is impacted by these issues, and how you can apply these concepts to your everyday lives.
2. Explain how the extraction and use of our natural resources can cause air, water, and soil pollution that impact the environment and humanity.
3. Describe how societies can sustainably use Earth's resources by reducing/preventing environmental degradation
4. Summarize the environmental laws and policies that are designed to prevent environmental degradation, such as pollution.

5. Apply the scientific method and analyze current environmental issues by relating these issues to your lives and evaluate how you can live a more sustainable lifestyle.
6. Apply life-long learning skills; such as metacognition, communication, quantification, information, and collaborative learning skills.

Course Materials and Texts

1. Environmental Science: A Global Concern by William P. Cunningham and MaryAnn Cunningham. 16th Edition, published by McGraw-Hill; ISBN10: 1264647840 | ISBN13: 9781264647842
2. Laptop with internet access

Course Requirements

Course Assignments, Assessments, and Grading Policy
- In-class clicker questions and assignments (15%)
- Module mastery quizzes (20%)
- Exams (45%)
- Final project (20%)

A   92.5 – 100%
A-   89.5 – 92.49%
B+   85.5 – 89.49%
B   82.5 – 85.49%
B-   79.5 – 82.49%
C+   75.5 – 79.49%
C   72.5 – 75.49%
C-   69.5 – 72.49%
D+   65.5 – 69.49%
D   62.5 – 65.49%
D-   59.5 – 62.49%
E   0-59.49%

Required or Recommended Reading Assignments
Environmental Science: A Global Concern by William P. Cunningham and MaryAnn Cunningham. 16th Edition, published by McGraw-Hill; ISBN10: 1264647840 | ISBN13: 9781264647842

General Description of the Subject Matter of Each Lecture or Discussion
- Introduction to environmental science and management
- People and perspectives
- Ecological Footprint
- Environmental Justice
- Water Resource Management
- Climate
- Exam 1
- Energy and terrestrial biomes

- Evolution
- Environmental Policy
- Exam 2
- Energy and mineral resources
- Air pollution
- Western water and water rights
- Comprehensive Final Exam

Required Course Syllabus Statements

Generative AI
Artificial Intelligence (AI) programs are not a replacement for human creativity, originality, and critical thinking. The use of generative AI tools is NOT permitted in this course for ANY purpose, unless specifically stated on an individual assignment. All assignments will be automatically checked through the University's AI and Plagiarism checker and will receive NO CREDIT if found to be AI-generated when not permitted.

Using Remote Testing Software
☒ This course does not use remote testing software.

☐ This course uses remote testing software. Remote test-takers may choose their remote testing locations. Please note, however, that the testing software used for this may conduct a brief scan of remote test-takers' immediate surroundings, may require use of a webcam while taking an exam, may require the microphone be on while taking an exam, or may require other practices to confirm academic honesty. Test-takers therefore shall have no expectation of privacy in their test-taking location during, or immediately preceding, remote testing. If a student strongly objects to using test-taking software, the student should contact the instructor at the beginning of the semester to determine whether alternative testing arrangements are feasible. Alternatives are not guaranteed.

Required University Syllabus Statements

Accommodations/Students with Disabilities
Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at [accessibilityservices@uvu.edu](#) or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at [DHHservices@uvu.edu](#)

DHH is located on the Orem Campus in BA 112.

Academic Integrity
At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that

produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their rights and responsibilities. In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in UVU Policy 541: *Student Code of Conduct*.

Equity and Title IX
Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation
UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.
To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a specially dedicated space for meditation, prayer, reflection, or other forms of religious expression.