



## Master Course Syllabus

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

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**Semester:** Spring

**Year:** 2025

**Course Prefix:** ENVT

**Course and Section #:** 1110-002

**Course Title:** Intro to Environmental Mgmt

**Credits:** 3

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### ***Course Description***

This class 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.

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### ***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.*

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### ***Instructor Information***

**Instructor Name:** Dr. Stella Mosher

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### ***Student Learning Outcomes***

1. Determine how environmental processes are impacted by humanity, how our society is impacted by these issues, and how you can apply these concepts to your everyday lives.
2. Articulate how the extraction and use of our natural resources can cause air, water, and soil pollution that harm the environment and impact 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.

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## ***Course Materials and Texts***

Textbook: Environmental Science: A Global Concern 16<sup>th</sup> Edition

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## ***Course Requirements***

### **Course Assignments, Assessments, and Grading Policy**

#### Major Course Assignments:

#### **1) Patterns of Life Notebook (20%)**

Pattern literacy is a critical component of understanding the environment. If one can understand patterns, they can do better at understanding the big and small picture in how management actions may affect the total environment. This semester you will be collecting a series of patterns that you observe. This will require you to spend time outside, observing, writing, and thinking about the patterns you can see, hear, taste, touch and/or smell. Each week you'll have 3 notebook entries over the course of 11 weeks for a total of 33 entries. At the end of each week, you will fill out a form on Canvas with a one sentence topic on each entry to indicate whether you are keeping up on the assignment.

- **Only 1 entry per calendar day.** This means that 3 days per week you will need to carve out 15 minutes of your day to outside and complete the task. Your entries do not need to be more than a few sentences reflecting on your noticed patterns, observations and questions, but you are welcome to write more!

#### **2) Change Makers Activities (20%)**

During this semester, you will have the opportunity to complete several activities that involve civic engagement, outreach, or making an impact. You can choose which activity to complete but you must complete at least 3 activities over the course of the semester. There are 6 different options for activities, in 2 different categories. You must do at least one from each category.

Most weeks there will be a module quiz. When applicable, module quizzes will be due Wednesday night by 11:59 pm each week. They will be unlocked Monday morning for students wishing to complete them ahead of class.

Homework assignments will be distributed throughout the week. Please keep an eye on the Canvas calendar for specific assignment due dates. (Homework Assignments: **30%**)

#### Course Assessments:

Three exams – two midterms and one final exam. (15%)

### Attendance (30%)

Grading Policy:

Final marks will be earned based on the percentage total (calculated from the total below) converted to a letter grade according to a straight scale.

93-100 = A    90-92 = A-    87-89 = B+    84-86 = B    80-83 = B-    77-79 = C+  
74-76 = C    70-73 = C-    67-69 = D+    64-66 = D    60-63 = D-    0-59 = F

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### **Required or Recommended Reading Assignments**

Weekly readings from the textbook: Environmental Science: A Global Concern 16<sup>th</sup> Edition

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### **General Description of the Subject Matter of Each Lecture or Discussion**

*Note: This schedule is tentative – topics covered in this course may adjust slightly due to student interests and available time. Your professor reserves the right to adjust these dates. Any changes will be communicated to students.*

1/6 and 8: Intro and Environmental Management History

1/13 and 15: Sci methods, people, and patterns

1/22: Energy and Ecosystems (*Note: 1/20 is Martin Luther King Jr. Day – no classes*)

1/27 and 29: Ecology and Evolution

- Sunday, February 2<sup>nd</sup>: Change Makers 1 Due

2/3 and 5: Climate Science

2/10 and 12: Paleoclimate and Mitigation

2/19: Finish climate; catch-up day (*Note: 2/17 is President's Day – no classes*)

2/24 and 26: Exam 1 – Individual exam on 2/24; Group exam on 2/26

3/3 and 5: Urbanization and Smart Growth

- Sunday, March 9<sup>th</sup>: Change Makers 2 Due

3/10 and 12: **SPRING BREAK–no classes**

3/17 and 19: Environmental policy and law

3/24 and 26: Air Pollution and the Great Salt Lake

3/31 and 4/2: Finish GSL and Mineral Resources

4/7 and 9: Conventional and Sustainable Energy

- Sunday, April 13<sup>th</sup>: Change Makers 3 Due

4/14 and 16: Exam 2 – Individual exam on 4/16; Group exam on 4/18

4/21: Patterns of Life Presentations 1 (last class)

**Final Exam:** POL presentations 2 in class

- 1:00 – 2:15 pm class: Wednesday, April 30 1:00 – 2:50 pm

- 2:30 – 3:45 pm class: Monday, April 28 1:00-2:50 pm

*There will be a cumulative final exam due on Canvas. Details will be provided in class.*

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### **Required Course Syllabus Statements**

## Generative AI

This course requires you to complete assignments that assess your understanding, application, and problem-solving ability applied to environmental science and management. You are expected to do your own work. The use of artificial intelligence (AI) tools, such as chatbots, text generators, paraphrasers, summarizers, or solvers, is only permitted to help students gain an understanding of content. Copying AI outputs or any sources will be treated as any other form of plagiarism (academic dishonesty) and will be handled according to the university's academic honesty policy. Instead, you can use AI like you would a textbook or internet search, to help you gain understanding of a subject. ***Use AI sparingly because it is an extremely energy and water intensive cloud-based software tool. Every time you use it; it costs about 1 liter of water and significant energy resources.*** After you've read and consulted with other sources (textbook, class notes, etc.) then write a response to journal and quiz questions that is your own original language. Please also note that AI hallucinates and often feeds students incorrect information, especially in subjects like this one. It is easy to spot AI responses because of their overly detailed examples with interspersed hallucinations. Note that for this class, assignments that are determined to be plagiarized will receive a zero and warning for the first offense. The second offense will result in negative points, and I will report you to the administration for academic dishonesty. A third offense may result in immediate failure of the course. If you have questions about acceptable use of AI tools, please consult the instructor before submitting your work.

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### 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.

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## 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](mailto: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](mailto:DHHservices@uvu.edu)

DHH is located on the Orem Campus in BA 112.

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### 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](#).

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### **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](mailto:TitleIX@uvu.edu) – 800 W University Pkwy, Orem, 84058, Suite BA 203.

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### **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](mailto: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.