

Environmental Sciences Career Readiness Seminar Spring 2024

This syllabus is subject to change over the course of the semester. Attendance, engagement and questions are highly encouraged

Lectures: M, W, F 10:00 to 10:50 (Latham 101)

Professor: Dr. Chad Heinzl

Office hours: M, W, F: 9 to 10AM and upon request (open to in person or Zoom)
Tuesday 10 to 11AM

Office phone: 273-6168

Email: chad.heinzl@uni.edu

Class website: www.exploreiowageology.org

Social Media: Twitter @Ubreccia

Text: Lecture: None

Final Exam: Monday, May 6, 10 to 11:50, Latham 101

UNI Intro. to Geology Learning Outcomes –

Your liberal arts education - Courses in natural science promote an understanding of science as a human process that investigates matter and energy acting within complex organic and inorganic systems. Fundamental principles of both physical and life sciences are included.

Specifically you will -

1. Identify environmental careers that you find interesting, meaningful and fulfilling
2. Discover and apply learning techniques that work best for you.
3. Interact with practicing environmental professionals, diverse backgrounds & careers.
4. Develop and refine career search materials

COURSE DESCRIPTION:

EarthSci 1059, 3 Units, Environmental Sciences Career Readiness Seminar: Will explore career opportunities and the steps needed to achieve academic and career success. Students will explore career pathways through current literature, networking with practicing environmental professionals and community engagement. Skills in quantitative reasoning, scientific reading, writing, speaking, geospatial awareness and systems-thinking will be practiced, assessed and developed.

Class Schedule

Prelude* Pre-Survey, Q and A, Course Resources
(Jan. 15/19) MLK day Monday - Starting on a Wednesday

Week Two Academic Success (Undergraduate)
(Jan. 22/26) Opportunities and resources

Week Three (Jan. 29/2)	Academic Success II (Undergraduate) Student engagement
Week Four (Feb. 5/9)	Graduate School Applied skills, Thesis and Networking
Week Five (Feb. 12/16)	Environmental Careers Field I Types, tools, gear, settings and safety
Week Six (Feb 19/23)	Environmental Careers Field II Samples, documentation, and connection to the lab and community
Week Seven (Feb 26/1)	Environmental Careers Lab I Types, tools, gear and safety Environmental Career Encyclopedia Check-in. Feb.29.March 1, 20 pts.
Week Eight (March 4/8)	Environmental Careers Lab II Data science, management and communication – Mar.8 Career Plan due ½ points
Week Nine (March 11/15)	Spring Break
Week Ten (March 18/22)	Communication, equity and inclusion Speaking, writing and community engagement
Week Eleven (March 25/29)	Critical - Systems Thinking Who, What, When, Where, Why and the connections in between.
Week Twelve (April 1/5)	Professionalism and teamwork 7-P rule, putting and keeping your best foot forward
Week Thirteen (April 8/12)	Leadership and productive habits
Week Fourteen (April 15/19)	Technology Tools – The Good, the Bad and the Ugly
Week Fifteen (April 22/26)	Intangible you Physically undefined, but tremendously important – Developing and Celebrating your Uniqueness
Week Sixteen (April 29/May 3)	Final project presentations
Week Seventeen	Finals Week

GSA 21-23

(May 6-10)

Monday, May 6, 10 to 11:50, Latham 101

Grading procedure and policies

Points (subject to change)

Self-Engagement (attendance, questions asked, homework) *	120
<i>Career products:</i>	
Presurvey/essay, resume, digital presence, letters of interest/intent, interview, etc.	
Literature/Research Review, etc.	140
Personal Environmental Career Encyclopedia	140
Environmental Career Plan	140
<hr/>	
	500

A >93%, A->90%;

B+>87%, B >83%, B->80%

C+>77%, C >73%, C->70%

D+>67%, D >63%, D->60% F < 60%

If you earn 93% of the total points you are guaranteed a grade of A. The lower limit for each grade range will not move up. A curve will not be used in this class. I will try to use e-learning to help you keep track of your grade throughout the course. *Note I keep a separate excel sheet for your grades. If you see something wrong on e-learning, it is likely a typo, I have not had time to update it, if this happens just let me know and I will fix the error. I also recommend that you keep track of your learning and scores by reviewing and keeping everything that is graded and handed back to you.

* Self engagement points will be a collaborative effort and decided by individual students and Dr. Heinzl

Class Attendance and Participation

Course questions will reflect and cover class 1) discussions, 2) field and lab activities, 3) text/journal readings, and 4) small group activities. Anything I say/discuss is fair game for a quiz or exam. Attendance is essential. If you listen, ask questions, take very good notes, and study for tests chances for earning a good grade are high! And the general guidelines of UNI's attendance policy will be employed, (<https://policies.uni.edu/306>).

UNI – Statements for Student Success

UNI Information and regulations regarding Free Speech, Equity, Accessibility, The Learning Center ... <https://provost.uni.edu/syllabus-statements>

Link to the UNI Learning Center = <https://tlc.uni.edu/>

Link to UNI Career Services = <https://careerservices.uni.edu/EDGE>

Recommendations from UNI's Center for Excellence in Teaching & Learning

Course materials, accessibility and opportunities for enhanced success

- a. Textbook – There is no textbook for this course
- b. Computers - Are available throughout campus. Having access to a computer and the internet is important. If you need help with accessing a computer or the internet, please ask.
- c. Course webpage – You will have access to some course materials and additional learning resources through the following webpage - <https://www.exploreiowageology.org>
- d. UNI-E-Learning – <https://elearning.uni.edu/> , This software will be used to help you keep track of your course progress - primarily scores and participation.

Career Skills... <https://www.naceweb.org/career-readiness/competencies/career-readiness-defined/>

Career & Self Development

At UNI, we often refer to this as 3-2-2 or Academic-Personal-Professional focus. This is growth mindset by gaining experiences academically, in personal leadership, and professional exposure.

Communication

The clear and effective exchange of ideas and perspective.

Critical Thinking

Understanding of situational context and logical analysis of relevant information. This is navigating complex situations, knowing who to ask for advice, and taking the appropriate action.

Equity & Inclusion

Experience in engaging in anti-racist practices, knowledge of how to challenge systems, structures, and policies, and a demonstrated ability to connect with people from different local and global cultures.

Leadership

Self-awareness of personal and team strengths to achieve organizational goals.

Professionalism

This is more than dressing correct. This is understanding work habits and ability to act in the interest of the organization, both internally and within the larger community.

Teamwork

Build and maintain collaborative relationships.

Technology

Enhance efficiencies by leveraging technology within the field.