

University of Pittsburgh  
Department of Geology and Environmental Science - Fall 2024  
GEOL 1331 – Directed Reading: Health and Safety (Term 2261)  
Instructor: Del Kubeldis, MS, CIH, CSP, ARM

**Time:** Thursdays, 6:00 – 8:30 PM via in-person learning.  
**Room:** SRCC 113  
**Telephone:** (724) 755-2140 (work)  
(412) 482-2207 (cell)  
**Office Hours:** By appointment only  
[Dek22@pitt.edu](mailto:Dek22@pitt.edu) or [dkubeldis@yahoo.com](mailto:dkubeldis@yahoo.com)  
**Required Resources** Hazardous Waste Operations and Emergency Response Manual by Brian J. Gallant

**Course Prerequisites:** None

**Description of Course Objective:** Course is a requirement of employees working in the Hazardous Waste and related industries and employers covered under the Occupational Safety and Health Administration’s standard on “Hazardous Waste Operations & Emergency Response (HAZWOPER)”.

**Course Rationale:** Students satisfactorily completing course will be awarded a certificate as being trained as a General Site Worker under the HAZWOPER Standard. Having this certificate will make graduates more marketable to those employers valuing the certificate.

**Learning Objectives**

1. Gain familiarity with the HAZWOPER Standard
2. Apply requirements of the HAZWOPER standard to Geology and Env. Science projects.
3. Achieve prerequisites for 40-hour HAZWOPER General Site Worker certificate

**Course Requirements:**

- Read all assigned course materials and complete all assignments (approx. 2 hrs/week).
- Participate in in-person classroom discussion, presentations, and exercises.
- Attendance, excused absences, make-up and related issues will be handled in accordance with University policy.

*NOTE: To satisfactorily meet the intent of this course per OSHA, students will be expected to demonstrate proficiency in some hands-on aspects of the course. The completion of these expectations are TBD and will be consistent with Pitt requirements.*

Formative and summative assessments will be utilized.

**Grading Scale:**

90 to 100% = A	PASS
80 to 89% = B	PASS
70 to 79% = C	PASS
60 to 69% = D	PASS
≤ 60% = F	FAIL

**Grading System:**

Assignments/Quizzes – 25%  
Mid-Term Exam – 25%  
Final Exam – 50%

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**Schedule:**

<u>Date</u>	<u>Topic</u>	<u>Assignment/Book Chapter</u>
August 28	Introduction to Course, EPA & OSHA	Handouts and readings
September 4	Hazard Recognition/ Hazardous Materials	Chapters 1 and 2
September 11	Toxicology and Chemical Exposure	Chapters 4 and 6
September 18	Air Monitoring/IH/Fire/ Physical Properties <b>QUIZ</b>	Chapter 7
September 25	Respiratory Protection/PPE	Chapters 8 and 10
October 2	Hazard Communication & SDS/Lead/ND DOT Labels, & Placards	Assignments TBD
October 9	Site Control , Asbestos	Chapter 5
October 16	<b>MIDTERM</b> Decontamination/Confined Space	Chapter 9
October 23	RCS/Health Hazards	Chapter 3
October 30	Health and Safety Programs and Plans	Assignments TBD
November 6	<b>QUIZ</b> Special Operations – Excavation, Utility Clearances, Noise Work Zone Safety	Chapter 11
November 13	Contingency Planning/Emergency Response TSD Facilities & Site Investigations	Chapter 12
November 20	Special Topics/Course Review Heat/Cold Stress	
December 4	<b>FINAL</b> Dress out/Final Exercise (or TBD)	

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## Academic Integrity

Students in this course will be expected to comply with the [University of Pittsburgh's Policy on Academic Integrity](#). Any student suspected of violating this obligation for any reason during the semester will be required to participate in the procedural process, initiated at the instructor level, as outlined in the University Guidelines on Academic Integrity. This may include, but is not limited to, the confiscation of the examination of any individual suspected of violating University Policy. Furthermore, no student may bring any unauthorized materials to an exam, including dictionaries and programmable calculators. To learn more about Academic Integrity, visit the [Academic Integrity Guide](#) for an overview of the topic. For hands-on practice, complete the [Academic Integrity Modules](#).

## Disability Services

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and [Disability Resources and Services](#) (DRS), 140 William Pitt Union, (412) 648-7890, [drsrecep@pitt.edu](mailto:drsrecep@pitt.edu), (412) 228-5347 for P3 ASL users, as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

## Diversity and Inclusion

The University of Pittsburgh does not tolerate any form of discrimination, harassment, or retaliation based on disability, race, color, religion, national origin, ancestry, genetic information, marital status, familial status, sex, age, sexual orientation, veteran status or gender identity or other factors as stated in the University's Title IX policy. The University is committed to taking prompt action to end a hostile environment that interferes with the University's mission. For more information about policies, procedures, and practices, see: <https://www.diversity.pitt.edu/civil-rights-title-ix-compliance/policies-procedures-and-practices> .

I ask that everyone in the class strive to help ensure that other members of this class can learn in a supportive and respectful environment. If there are instances of the aforementioned issues, please contact the Title IX Coordinator, by calling 412-648-7860, or e-mailing [titleixcoordinator@pitt.edu](mailto:titleixcoordinator@pitt.edu). Reports can also be filed online: <https://www.diversity.pitt.edu/civil-rights-title-ix-compliance/make-report/report-form>. You may also choose to report this to a faculty/staff member; they are required to communicate this to the University's Office of Diversity and Inclusion. If you wish to maintain complete confidentiality, you may also contact the University Counseling Center (412-648-7930).

## Email Communication

Each student is issued a University e-mail address ([username@pitt.edu](mailto:username@pitt.edu)) upon admittance. This e-mail address may be used by the University for official communication with students. Students are expected to read e-mail sent to this account on a regular basis. Failure to read and react to University communications in a timely manner does not absolve the student from knowing and complying with the content of the communications. The University provides an e-mail forwarding service that allows students to read their e-mail via other service providers (e.g., Hotmail, AOL, Yahoo). Students that choose to forward their e-mail from their [pitt.edu](mailto:pitt.edu) address to another address do so at their own risk. If e-mail is lost as a result of forwarding, it does not absolve the student from responding to official communications sent to their University e-mail address.

## Accessibility

The Canvas LMS platform was built using the most modern HTML and CSS technologies, and is committed to W3C's Web Accessibility Initiative and [Section 508](#) guidelines. Specific details regarding individual [feature compliance](#) are documented and updated regularly.

