

Course Syllabus

[Jump to Today](#)

 [Edit](#)

ENVH 460/560 Occupational Safety Management

ENVH 460 - 3 Credits ENVH 560-4 Credits

Instructor Name: Rick Gleason, CIH, CSP Winter 2022

Time: Tuesdays 11:30 am - 2:20 pm

Location: HST T-530 and Remotely by Zoom

Winter Quarter, 2022, 4 credits for ENVH 560 / 3 Credits for ENVH 460, 10 weeks

Time: Tuesday, 11:30 – 2:20 pm (ENVH 460 and 560)

Location: Online

Instructor: Rick Gleason, MSPH, CIH, CSP [rgleason@uw.edu \(mailto:rgleason@uw.edu\)](mailto:rgleason@uw.edu)

Phone: (206) 856-6660

rgleason@uw.edu

Office Hours by appointment

Richard Gleason is inviting you to a scheduled Zoom meeting.

Topic: ENVH 460/560

Time: Jan 4, 2022 11:30 AM Pacific Time (US and Canada)

Every week on Tue, until Mar 9, 2021, 11 occurrence(s)

Jan 4, 2022 11:30 AM

Jan 11, 2022 11:30 AM

Jan 18, 2022 11:30 AM

Jan 25, 2022 11:30 AM

Feb 1, 2022 11:30 AM

Feb 8, 2022 11:30 AM

Feb 15, 2022 11:30 AM

Feb 22, 2022 11:30 AM

Mar 1, 2022 11:30 AM

Mar 8, 2022 11:30 AM

Mar 15, 2022 11:30 AM

Join Zoom Meeting

<https://washington.zoom.us/j/92315084115> [.\(https://washington.zoom.us/j/92315084115\)](https://washington.zoom.us/j/92315084115)

Each student will give a presentation to the entire class of approximately 15 minutes and approximately 15 powerpoint slides. Each student should also prepare 3 questions regarding their topic at the end of their powerpoint. The presentation will be worth 75 points. Questions from the student presentation will be incorporated into the final exam.

Total points for the class are 10 weekly assignments of 25 points each

One presentation 75 points one final exam 75 points for a total of 400 points. Attendance by Zoom will add 100 bonus points (10 sessions x 10 weeks).

You can find model powerpoint programs in the Files section to the left as well as on the Labor and Industries DOSH Website:

<https://lni.wa.gov/safety-health/safety-training-materials/online-safety-training>

[.\(https://lni.wa.gov/safety-health/safety-training-materials/online-safety-training\)](https://lni.wa.gov/safety-health/safety-training-materials/online-safety-training)

ENVH 460/560 Presentations

January 11, 2022

Workplace Violence Prevention _____ Yoni _____

Driving Motor Vehicle Safety _____ Mae Clare _____

Introduction to OSHA _____ Ed _____

Respirable Silica _____ Sheina _____

January 18, 2022

Late Night Retail Worker Safety _____ Kau'i _____

Access Medical Records Exposure _____ Saida _____

Office Safety _____ Saudo _____

Teen Safety _____ Helen _____

January 25, 2022

Machine Guarding _____ Belen _____

Lockout-Tagout (LOTO)___ Tom_____

Electrical Safety _____ Shelley_____

Heat Illness _____ Rachel_____

February 1, 2022

Fire Extinguishers _____ Yuhaniz_____

Confined Spaces _____ Lily_____

Welding Safety _____ Chad_____

Process Safety Management ___ Sarah_____

February 8, 2022

Hearing Conservation Noise _____ Jesus_____

Arsenic _____ Jerry_____

Respiratory Protection _____ McKay_____

Hazcom Chemical Hazard Communication (GHS) __ Cristina__

February 15 , 2022

Flammable Material Storage _____ Yen_____

Bloodborne Pathogens _____ Greta ____

Solvent Safety _____ Jack_____

Occupational Asthma _____ Ava_____

February 21, 2022

Forklift (Powered Industrial Trucks) ___ Kira_____

Eye Safety _____ Jessie_____

Hand Safety_____

Ergonomics _____

March 1, 2022

OSHA Recordkeeping _____

Egress Fire _____

Preventing Slips Trips and Falls ___ Issavel _____

Scaffold Safety _____ Prenav _____

March 8, 2022

Methylene Chloride _____ Asmitha _____

Emergency Eyewash ___ Helen _____

Last Assignment Due March 15, 2022 No Class

Text provided free as a PDF under the course File Section. It is the OSHA 7500 Introduction to Safety and Health Management (330 pages) provided by the Pacific Northwest OSHA Training Center, Region X.

Course Description:

This class will cover the basics of a company safety and health program and the minimum requirements under Federal OSHA and State OSHA. Students will also receive their 30 hour OSHA General Industry Safety and Health Training Card from OSHA at the successful completion of the course. All students will present their findings for specific industry hazards and graduate students will develop an additional industry safety and health written accident prevention program.

Each student will give a presentation to the entire class of approximately 15 minutes and approximately 15 powerpoint slides. Each student should also prepare 30 copies of a short quiz with 3 questions regarding their topic. Students in attendance will be able to take the quiz and receive extra credit for listening attentively to their peers. The presentation will be worth 75 points.

Total points for the class are 10 weekly assignments of 25 points each

One presentation 75 points one final exam 75 points for a total of 400 points. Weekly students questions from their presentation can also add 75 bonus points if you are in class and complete the quizzes.

Access and Accommodations

Your experience in this class is important to me. If you have already established accommodations with Disability Resources for Students (DRS), please communicate your approved accommodations to me at your earliest convenience so we can discuss your needs in this course.

If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (conditions include but are not limited to mental health, attention-related, learning, vision, hearing, physical or health impacts), you are welcome to contact DRS at 206-543-8924 or uwdrs@uw.edu (<mailto:uwdrs@uw.edu>) or [disability.uw.edu](http://depts.washington.edu/uwdrs/) (<http://depts.washington.edu/uwdrs/>). DRS offers resources and coordinates reasonable accommodations for students with disabilities and/or temporary health conditions. Reasonable accommodations are established through an interactive process between you, your instructor(s) and DRS. It is the policy and practice of the University of Washington to create inclusive and accessible learning environments consistent with federal and state law.

Religious Accommodations

Washington state law requires that UW develop a policy for accommodation of student absences or significant hardship due to reasons of faith or conscience, or for organized religious activities. The UW's policy, including more information about how to request an accommodation, is available at [Religious Accommodations Policy](https://registrar.washington.edu/staffandfaculty/religious-accommodations-policy/) (<https://registrar.washington.edu/staffandfaculty/religious-accommodations-policy/>) (<https://registrar.washington.edu/staffandfaculty/religious-accommodations-policy/>). Accommodations must be requested within the first two weeks of this course using the [Religious Accommodations Request form](https://registrar.washington.edu/students/religious-accommodations-request/) (<https://registrar.washington.edu/students/religious-accommodations-request/>) ([https://registrar.washington.edu/students/religious-accommodations-requ...](https://registrar.washington.edu/students/religious-accommodations-request/)) (<https://registrar.washington.edu/students/religious-accommodations-request/>).

Learning Objectives: At the end of this course, the student will be able to:

1. identify the components needed to provide a safe and healthful work environment through case studies and review of injury statistics provided in the course.
2. analyze safety and health issues resulting from worker complaints or OSHA violations and suggest potential remedies.
3. identify potential workplace safety and health hazards and determine how to mitigate the hazards through engineering controls, administrative controls and personal protective equipment.

- Jan. 19, 2021 Late Night retail -Violence Prevention / Driving Safety,
Motor Vehicle Safety / Access to Medical records

Office Safety/Teen Safety
- Jan. 26, 2021 Machine Guarding (1910.212)

Lockout-Tagout 1910.147

Electrical Hazards (Subpart S)

Heat Illness (Outdoor Heat Related Illness)
- Feb. 2, 2021 Fire and Emergency Egress

Fire Extinguishers

Confined Spaces (1910.146)

Welding Safety

Process Safety management
- Feb. 9, 2021 Ventilation, Exposure Controls, Noise 1910.95

Respiratory Protection (1910.134)

HazCom Chemical Hazard Communication, MSDS /
Asbestos / Arsenic
- Feb. 16, 2021 Storage of Flammable Materials

Bloodborne Pathogens (1910.130)

Methylene Chloride / Occupational Asthma
- Feb. 23, 2021 Forklift Safety (Material Handling) (1910.178)

Personal Protective Equipment (1910.132) / Eye Safety / Hand Safety / Ergonomics

March 2, 2021	OSHA Record Keeping / Emergency Eyewash / Ladder Safety / Scaffold Safety
March 9, 2021	Accident and Incident Investigation (Last Class) Root Cause Analysis Last Class Take Home Exam Provided on Canvas
March 16, 2019	Take Home Final Exam Due

Grading

Undergraduate grades (ENVH 460) are based upon a midterm (25%), a final (25%), a 20 minute oral presentation to the class for a specific industry (25%) and Homework (25%).

Graduate Grades (ENVH 560) are based upon a midterm (20%), a final (20%), a written Company Health and Safety Program (25%), a 20 minute oral presentation to the class for a specific industry (15%) and Homework (20%).

To request academic accommodations due to a disability, please contact Disability Resources for Students, 448 Schmitz Hall, 206-543-8924 (V/TTY). If you have a letter from Disability Resources for Students indicating that you have a disability which requires academic accommodations, please present the letter to me so we can discuss the accommodations you might need in this class.

- Academic Integrity Statement - Students at the University of Washington (UW) are expected to maintain the highest standards of academic conduct, professional honesty, and personal integrity. The UW School of Public Health (SPH) is committed to upholding standards of academic integrity consistent with the academic and professional communities of which it is a part. Plagiarism, cheating, and other misconduct are serious violations of the University of Washington Student Conduct Code (WAC 478-120). We expect you to know and follow the university's policies on cheating and plagiarism, and the [SPH Academic Integrity Policy](http://sph.washington.edu/students/academicintegrity/). Any suspected cases of academic

misconduct will be handled according to University of Washington regulations. For more information, see the University of Washington Community Standards and Student Conduct website.

Additional Graduate Student ENVH 560 Organizing and Administering Industrial Safety and Health Programs Class Assignment (Undergraduate Students are not required to complete this assignment)

Each **graduate** student will write a complete Company Health and Safety Accident Prevention Program for a specific type of industry. The list below gives examples of the types of industries and the types of chapters in your manual. A presentation to the class on the hazards of that industry will also be provided.

Possible Industries (although you can select any type of industry you would like)

Aluminum Smelter	Meat Packing
Auto Repair Shops	Metal Fabrication Shop
Bakery	Mining
Chemical Manufacturer	Pesticide Applicator
Construction Industry	Petroleum Refining
Food Processing	Plating Shop
Foundry	Plumbing Contractor
Grain Elevator	Pulp Mill
Grocery Store	Retail Establishment
Hospital/ Health Care	Sawmill
Laboratory	Service Station
Laundry	Shipbuilding
Logging	Etc.

These are some of the chapters that will need to be considered for your manual:

*Accident Prevention

*Chemical Hazard Communication, MSDS

*Personal Protective Equipment, Job Hazard Assessment

*Ergonomics

New Employee Orientation

Hearing Protection

Respiratory Protection

Machine Guarding

Medical Monitoring

Motor Vehicle Safety

Bloodborne Pathogen Program

Ergonomics

Asbestos Awareness

Electrical Safety

Lockout-Tagout

Fall Protection






Confined Space Entry

Fire Protection/Emergencies

There should be at least 8 chapters. The first four *must be included and any of the other topics could be included in the remainder of the chapters.

All students who successfully complete the course will also receive an OSHA 511 30 hour General Industry Safety and Health Standards Card.

Course Summary:

Date	Details	Due
Tue Mar 19, 2019	 Assignment 12 Graduate Student Acc. Prev Program https://canvas.uw.edu/courses/1515812/assignments/6801795	due by 11:59pm
Tue Jan 11, 2022	 Assignment 1 https://canvas.uw.edu/courses/1515812/assignments/6801793	due by 11:30am
Tue Jan 18, 2022	 Assignment 2 https://canvas.uw.edu/courses/1515812/assignments/6801796	due by 11:30am
Tue Jan 25, 2022	 Assignment 3 https://canvas.uw.edu/courses/1515812/assignments/6801797	due by 11:30am
Tue Feb 1, 2022	 Assignment 4 https://canvas.uw.edu/courses/1515812/assignments/6801798	due by 11:30am

Date	Details	Due
Tue Feb 8, 2022	 Assignment 5 (https://canvas.uw.edu/courses/1515812/assignments/6801799)	due by 11:30am
Tue Feb 15, 2022	 Assignment 6 (https://canvas.uw.edu/courses/1515812/assignments/6801800)	due by 11:30am
Tue Feb 22, 2022	 Assignment 7 (https://canvas.uw.edu/courses/1515812/assignments/6801801)	due by 11:30am
Tue Mar 1, 2022	 Assignment 8 (https://canvas.uw.edu/courses/1515812/assignments/6801802)	due by 11:30am
Tue Mar 8, 2022	 Assignment 9 (https://canvas.uw.edu/courses/1515812/assignments/6801803)	due by 11:30am
Mon Mar 14, 2022	 Assignment 10 (https://canvas.uw.edu/courses/1515812/assignments/6801794) (ENV H 560 A)	due by 11:59pm
Tue Mar 15, 2022	 Assignment 10 (https://canvas.uw.edu/courses/1515812/assignments/6801794) (ENV H 460 A)	due by 2pm
	 Roll Call Attendance (https://canvas.uw.edu/courses/1515812/assignments/6801804)	