

# Course Syllabus

[Jump to Today](#)

 [Edit](#)

## ENVH 563: Health & Safety of Physical Agents in the Workplace

**Quarter:** Spring 2020

**Credits & Grading:** 3 credits, graded

**Time:** Mondays & Wednesdays, 1:00 to 2:20 PM

**Location:** The Ether (synchronously)

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### Instructor:



**Marty Cohen, Principal Lecturer**

**Office:** TBD

**Email:** [mcohen@uw.edu](mailto:mcohen@uw.edu) (<mailto:mcohen@uw.edu>)

**Phone:** 206-616-1905

<mailto:tmb@uw.edu> **Office Hours:** By appointment

### Course Description

This is an introductory course covering evaluation and prevention of hazards due to physical hazards in the workplace. Hazards addressed include noise, vibration, physical agents, ionizing and non-ionizing radiation and thermal stress. The course is intended mainly for upper division undergraduate and graduate students in Environmental Health, Safety Engineering, Industrial and Systems Engineering, and Exposure Sciences, including Occupational Hygiene. For each topic area, we will address basic physical concepts, health risks, measurement techniques, interpretation of guidelines and standards, and control techniques.

### [Instructor Biographies](#)

### Learning Objectives

At the end of this course, the student should be able to:

1. Define characteristics of multiple physical agent exposures using appropriate terminology and units.
2. Calculate exposures to physical agents over time and energy levels (e.g., sound and electromagnetic frequency, particle energies).
3. Determine if exposures exceed current guidelines for acceptable exposure.
4. Explain how physical agents interact with human tissues or organs to produce changes associated with health outcomes.
5. Evaluate worker and community exposures to physical agents using common measurement tools and techniques.
6. Determine appropriateness of various personal protective devices for physical agents.
7. Describe and recommend alternative control techniques for physical agents.

## Schedule

The [Modules Page](#) provides a session-by-session schedule and links to all necessary course materials.

## Textbook and Readings

- Occupational Ergonomics – Principal and Applications. F. Tayyari and J.L. Smith. 1997 (optional)
- The Noise Manual. AIHA Press (optional)
- Radiation Protection, Jacob Shapiro. Harvard University Press, 4th edition. 2002. (optional)
- Any supplemental class reading materials will be posted and made available as needed on the Modules page.

## Assignments and Grading

All students will be expected to complete assigned readings and come to class prepared to engage in class discussion on assigned topics. There will be a total of 4 problem sets including the write-up of laboratories addressing measurement and control of physical hazards. Laboratories will be conducted as group exercises and written up individually. There will be one mid-term exam and one final, non-cumulative exam. Grading will be as follows:

Assignment	% of Grade
Four Problem Sets/Labs	40%
Exam 1	25%
Exam 2	25%
Class Participation	10%

**Academic Integrity:** 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. 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.

**Statement on Inclusion and Diversity:** Diverse backgrounds, embodiments and experiences are essential to the critical thinking endeavor at the heart of University education. In SPH, we are expected:

1. To respect individual differences, which may include, but are not limited to, age, cultural background, disability, ethnicity, family status, gender identity and expression, citizenship and immigration status, national origin, race, religion, sex, sexual orientation, socioeconomic status and veteran status.
2. To engage respectfully in the discussion of diverse worldviews and ideologies embedded in course readings, presentations and artifacts, including those course materials that are at odds with personal beliefs and values.

On our first day of class we will create ground rules together to follow in promoting a productive learning environment for all members of the class. We are committed to making this class an equitable learning environment. Please talk with us right away if you experience disrespect in this class from other students and/or from us, and we will work to address it in an educational manner.

**Reporting Learning Environment Concerns:** The Office of the Dean has a student concern policy, a faculty concern policy and standard HR procedures for staff concerns. Students are encouraged to report any incidents of bias in any of the following ways:

- Report the incident to someone they feel comfortable with (including teaching staff, adviser or department staff) or directly inform the SPH Assistant Dean for Equity, Diversity & Inclusion Dr. Victoria Gardner at [vg@uw.edu](mailto:vg@uw.edu).
- Email [dcinfo@uw.edu](mailto:dcinfo@uw.edu) to file a non-anonymous, confidential report (tracked by Director of Student and Academic Services and Assistant Dean of Equity, Diversity & Inclusion) or
- Send an anonymous and confidential report using the bias concern form here. Report is received by the Assistant Dean for EDI and the Director of Program Operations for Student and Academic Services and tracked for investigation and/or resolution. Reporter can remain completely anonymous but will not receive a response.

**Access and Accommodations:** The UW Disability Resource team has provided the following statement for the syllabus:

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://disability.uw.edu). 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/>).

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/>).”

**Safety:** Call SafeCampus at 206-685-7233 anytime – no matter where you work or study – to anonymously discuss safety and well-being concerns for yourself or others. SafeCampus’s team of caring professionals will provide individualized support, while discussing short- and long-term solutions and connecting you with additional resources when requested.

**Statement on Classroom Climate:** We are co-creators of our learning environment. It is our collective responsibility to develop a supportive learning environment for everyone. Listening with respect and an open mind, striving to understand others’ views, and articulating your own point of view will help foster the creation of this environment. We engage our differences with the intent to build community, not to put down the other and distance our self from the other. Being mindful to not monopolize discussion and/or interrupt others will also help foster a dialogic environment.

**The following guidelines can add to the richness of our discussion:**

- We assume that persons are always doing the best that they can, including the persons in this learning environment.
- We acknowledge that systematic oppression exists based on privileged positions and specific to race, gender, class, religion, sexual orientation, and other social variables and identities.
- We posit that assigning blame to persons in socially marginal positions is counter-productive to our practice. We can learn much about the dominant culture by looking at how it constructs the lives of those on its social margins.
- While we may question or take issue with another class member’s ideology, we will not demean, devalue, or attempt to humiliate another person based on her/his experiences, value system, or construction of meaning.
- We have a professional obligation to actively challenge myths and stereotypes about our own groups and other groups so we can break down the walls that prohibit group cooperation and growth.

[Adapted from Lynn Weber Cannon (1990). Fostering positive race, class and gender dynamics in the classroom. *Women Studies Quarterly*, 1 & 2, 126-134.]

We are a learning community. As such, we are expected to engage with difference. Part of functioning as a learning community is to engage in dialogue in respectful ways that supports learning for all of us and that holds us accountable to each other. Our learning community asks us to trust and take risks in being vulnerable.





**Here are some guidelines that we try to use in our learning process:**









- LISTEN WELL and be present to each member of our group and class.
- Assume that I might miss things others see and see things others miss.
- Raise my views in such a way that I encourage others to raise theirs.
- Inquire into others' views while inviting them to inquire into mine.
- Extend the same listening to others I would wish them to extend to me.
- Surface my feelings in such a way that I make it easier for others to surface theirs.
- Regard my views as a perspective onto the world, not the world itself.
- Beware of either-or thinking.
- Beware of my assumptions of others and their motivations.
- Test my assumptions about how and why people say or do things.
- Be authentic in my engagement with all members of our class.



**Pronouns:** We share our pronouns because we strive to cultivate an inclusive environment where people of all genders feel safe and respected. We cannot assume we know someone's gender just by looking at them. So we invite everyone to share their pronouns.










**Land Acknowledgment:** *The University of Washington acknowledges the Coast Salish people of this land, the land which touches the shared waters of all tribes and bands within the Duwamish, Suquamish, Tulalip and Muckleshoot nations.*

## Course Summary:










Date	Details	Due
Mon Mar 29, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000370&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000370&amp;include_contexts=course_1466465">(<a href="https://canvas.uw.edu/calendar?event_id=2000370&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=2000370&amp;include_contexts=course_1466465</a>)</a>	1pm to 2:30pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063052">Preparation for Session 1: Introduction</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063052">(<a href="https://canvas.uw.edu/courses/1466465/assignments/6063052">https://canvas.uw.edu/courses/1466465/assignments/6063052</a>)</a>	due by 1pm
Wed Mar 31, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000371&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000371&amp;include_contexts=course_1466465">(<a href="https://canvas.uw.edu/calendar?event_id=2000371&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=2000371&amp;include_contexts=course_1466465</a>)</a>	1pm to 2:30pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063053">Preparation for Session 2: Thermal Stress</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063053">(<a href="https://canvas.uw.edu/courses/1466465/assignments/6063053">https://canvas.uw.edu/courses/1466465/assignments/6063053</a>)</a>	due by 1pm

Date	Details	Due
Mon Apr 5, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000372&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000372&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000372&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063060">Preparation for Session 3: Noise - Introduction</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063060">(https://canvas.uw.edu/courses/1466465/assignments/6063060)</a>	due by 1pm
Wed Apr 7, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000373&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000373&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000373&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063045">Preparation for Session 4: Noise - Measurement</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063045">(https://canvas.uw.edu/courses/1466465/assignments/6063045)</a>	due by 1pm
Mon Apr 12, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000374&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000374&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000374&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063046">Preparation for Session 5: Noise - Hearing Loss Prevention Programs</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063046">(https://canvas.uw.edu/courses/1466465/assignments/6063046)</a>	due by 1pm
Wed Apr 14, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000375&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000375&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000375&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063047">Preparation for Session 6: Noise - Control</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063047">(https://canvas.uw.edu/courses/1466465/assignments/6063047)</a>	due by 1pm










Date	Details	Due
Mon Apr 19, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000376&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000376&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000376&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
Wed Apr 21, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000377&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000377&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000377&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
Wed Apr 21, 2021	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063048">Preparation for Session 8: Ergonomics - Lower Back</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063048">(https://canvas.uw.edu/courses/1466465/assignments/6063048)</a>	due by 1pm
Mon Apr 26, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000378&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000378&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000378&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
Mon Apr 26, 2021	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063049">Preparation for Session 9: Ergonomics - Upper Extremities</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063049">(https://canvas.uw.edu/courses/1466465/assignments/6063049)</a>	due by 1pm
Mon Apr 26, 2021	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063063">Problem Set/Lab - Noise</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063063">(https://canvas.uw.edu/courses/1466465/assignments/6063063)</a>	due by 11:59pm
Wed Apr 28, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000379&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000379&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000379&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
Wed Apr 28, 2021	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063050">Preparation for Session 10: Ergonomics - Lab</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063050">(https://canvas.uw.edu/courses/1466465/assignments/6063050)</a>	due by 1pm
Mon May 3, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000380&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000380&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000380&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm

Date	Details	Due
	 <a href="#">Preparation for Session 11: External Radiation Exposures</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063056">https://canvas.uw.edu/courses/1466465/assignments/6063056</a>	due by 1pm
	 <a href="#">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000381&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=2000381&amp;include_contexts=course_1466465</a>	1pm to 2:30pm
Wed May 5, 2021	 <a href="#">Preparation for Session 12: Internal Radiation Exposure</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063057">https://canvas.uw.edu/courses/1466465/assignments/6063057</a>	due by 1pm
	 <a href="#">Problem Set/Lab - Assessment Tools</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063062">https://canvas.uw.edu/courses/1466465/assignments/6063062</a>	due by 11:59pm
	 <a href="#">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000382&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=2000382&amp;include_contexts=course_1466465</a>	1pm to 2:30pm
Mon May 10, 2021	 <a href="#">Preparation for Session 13: Exposure Control</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063058">https://canvas.uw.edu/courses/1466465/assignments/6063058</a>	due by 1pm
	 <a href="#">Midterm - Available May 5, Due May 10</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063044">https://canvas.uw.edu/courses/1466465/assignments/6063044</a>	due by 11:59pm
	 <a href="#">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000383&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=2000383&amp;include_contexts=course_1466465</a>	1pm to 2:30pm
Wed May 12, 2021	 <a href="#">Preparation for Session 14: Ionizing Radiation - Measurement Demonstration</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063059">https://canvas.uw.edu/courses/1466465/assignments/6063059</a>	due by 1pm



Date	Details	Due
Mon May 17, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000384&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000384&amp;include_contexts=course_1466465">(<a href="https://canvas.uw.edu/calendar?event_id=2000384&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=2000384&amp;include_contexts=course_1466465</a>)</a>	1pm to 2:30pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063054">Preparation for Session 15: Non-Ionization Radiation</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063054">(<a href="https://canvas.uw.edu/courses/1466465/assignments/6063054">https://canvas.uw.edu/courses/1466465/assignments/6063054</a>)</a>	due by 1pm
	 <a href="https://canvas.uw.edu/calendar?event_id=2000385&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000385&amp;include_contexts=course_1466465">(<a href="https://canvas.uw.edu/calendar?event_id=2000385&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=2000385&amp;include_contexts=course_1466465</a>)</a>	1pm to 2:30pm
Wed May 19, 2021	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063055">Preparation for Session 16: Optical Laser and ELF</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063055">(<a href="https://canvas.uw.edu/courses/1466465/assignments/6063055">https://canvas.uw.edu/courses/1466465/assignments/6063055</a>)</a>	due by 1pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063061">Problem Set - Ionizing Radiation</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063061">(<a href="https://canvas.uw.edu/courses/1466465/assignments/6063061">https://canvas.uw.edu/courses/1466465/assignments/6063061</a>)</a>	due by 11:59pm
Mon May 24, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000386&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000386&amp;include_contexts=course_1466465">(<a href="https://canvas.uw.edu/calendar?event_id=2000386&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=2000386&amp;include_contexts=course_1466465</a>)</a>	1pm to 2:30pm
Tue May 25, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=1926459&amp;include_contexts=course_1466465">ENV H 590 A Sp 20: Selected Topics</a> <a href="https://canvas.uw.edu/calendar?event_id=1926459&amp;include_contexts=course_1466465">(<a href="https://canvas.uw.edu/calendar?event_id=1926459&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=1926459&amp;include_contexts=course_1466465</a>)</a>	10am to 11am
	 <a href="https://canvas.uw.edu/calendar?event_id=2000387&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000387&amp;include_contexts=course_1466465">(<a href="https://canvas.uw.edu/calendar?event_id=2000387&amp;include_contexts=course_1466465">https://canvas.uw.edu/calendar?event_id=2000387&amp;include_contexts=course_1466465</a>)</a>	1pm to 2:30pm
Wed May 26, 2021	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063051">Preparation for Session 18: Thermal Stress Assessment &amp; Control</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063051">(<a href="https://canvas.uw.edu/courses/1466465/assignments/6063051">https://canvas.uw.edu/courses/1466465/assignments/6063051</a>)</a>	due by 1pm

Date	Details	Due
Mon May 31, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000388&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000388&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000388&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
Wed Jun 2, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000389&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000389&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000389&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063064">Problem Set/Lab - Non-Ionizing Radiation</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063064">(https://canvas.uw.edu/courses/1466465/assignments/6063064)</a>	due by 11:59pm
Mon Jun 7, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000390&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000390&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000390&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
Tue Jun 8, 2021	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063042">Final Exam</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063042">(https://canvas.uw.edu/courses/1466465/assignments/6063042)</a>	due by 4:20pm
Wed Jun 9, 2021	 <a href="https://canvas.uw.edu/calendar?event_id=2000391&amp;include_contexts=course_1466465">ENV H 563 A Sp 21: Health And Safety Of Physical Agents In The Workplace</a> <a href="https://canvas.uw.edu/calendar?event_id=2000391&amp;include_contexts=course_1466465">(https://canvas.uw.edu/calendar?event_id=2000391&amp;include_contexts=course_1466465)</a>	1pm to 2:30pm
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063041">Class participation</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063041">(https://canvas.uw.edu/courses/1466465/assignments/6063041)</a>	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6063043">Lab - Ionizing radiation</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6063043">(https://canvas.uw.edu/courses/1466465/assignments/6063043)</a>	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6304568">Zoom Recording, Class 10</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6304568">(https://canvas.uw.edu/courses/1466465/assignments/6304568)</a>	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6311248">Zoom Recording, Class 11</a> <a href="https://canvas.uw.edu/courses/1466465/assignments/6311248">(https://canvas.uw.edu/courses/1466465/assignments/6311248)</a>	

Date	Details	Due
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6315612">Zoom Recording, Class 12</a> ( <a href="https://canvas.uw.edu/courses/1466465/assignments/6315612">https://canvas.uw.edu/courses/1466465/assignments/6315612</a> )	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6322090">Zoom Recording, Class 13</a> ( <a href="https://canvas.uw.edu/courses/1466465/assignments/6322090">https://canvas.uw.edu/courses/1466465/assignments/6322090</a> )	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6268562">Zoom Recording, Class 3</a> ( <a href="https://canvas.uw.edu/courses/1466465/assignments/6268562">https://canvas.uw.edu/courses/1466465/assignments/6268562</a> )	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6271582">Zoom Recording, Class 4</a> ( <a href="https://canvas.uw.edu/courses/1466465/assignments/6271582">https://canvas.uw.edu/courses/1466465/assignments/6271582</a> )	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6277369">Zoom Recording, Class 5</a> ( <a href="https://canvas.uw.edu/courses/1466465/assignments/6277369">https://canvas.uw.edu/courses/1466465/assignments/6277369</a> )	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6281343">Zoom Recording, Class 6</a> ( <a href="https://canvas.uw.edu/courses/1466465/assignments/6281343">https://canvas.uw.edu/courses/1466465/assignments/6281343</a> )	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6287627">Zoom Recording, Class 7</a> ( <a href="https://canvas.uw.edu/courses/1466465/assignments/6287627">https://canvas.uw.edu/courses/1466465/assignments/6287627</a> )	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6292295">Zoom Recording, Class 8</a> ( <a href="https://canvas.uw.edu/courses/1466465/assignments/6292295">https://canvas.uw.edu/courses/1466465/assignments/6292295</a> )	
	 <a href="https://canvas.uw.edu/courses/1466465/assignments/6299507">Zoom Recording, Class 9</a> ( <a href="https://canvas.uw.edu/courses/1466465/assignments/6299507">https://canvas.uw.edu/courses/1466465/assignments/6299507</a> )	