

Course Syllabus

[Jump to Today](#)


 [Edit](#)

ENVH 440/545: Water, Wastewater, and Health

Autumn 2020

Monday, Wednesday, & Friday, 11:30-12:20

Offered Remotely via Zoom: [https://washington.zoom.us/j/96187220989?](https://washington.zoom.us/j/96187220989?pwd=L3BUY3JMZDdKYzBsTkhhQmFDWHpyZz09)

[pwd=L3BUY3JMZDdKYzBsTkhhQmFDWHpyZz09](https://washington.zoom.us/j/96187220989?pwd=L3BUY3JMZDdKYzBsTkhhQmFDWHpyZz09)  [_ \(https://washington.zoom.us/j/96187220989?pwd=L3BUY3JMZDdKYzBsTkhhQmFDWHpyZz09\)](https://washington.zoom.us/j/96187220989?pwd=L3BUY3JMZDdKYzBsTkhhQmFDWHpyZz09)

Instructors:

John Scott Meschke, Professor

Office: Suite 2338, 4225 Roosevelt Way NE

Phone: (206) 221-5470

Email: jmeschke@u.washington.edu (<mailto:jmeschke@u.washington.edu>)

Karen Levy, Associate Professor

Office: 261 Hans Rosling Building

Phone: TBD Email: klevyx@uw.edu (<mailto:klevyx@uw.edu>)

Lilian Liu, Teaching Assistant

OFFICE HOURS: By Appointment

Course Description

This course will review the various aspects of domestic and global water and wastewater systems as they relate to human health. Topics covered will include source water, basic treatment technologies for water and waste, chemical contaminants, microbial contaminants, and recreational water. This course will be of use for public health professionals, microbiologists, civil and environmental engineers, and environmental scientists.

Course Objectives

Upon completion of this course, all students should be able to:

1. Identify and describe regulatory frameworks pertaining to water and wastewater
2. Recognize, characterize, and categorize waterborne contaminants, their sources, and health effects
3. Summarize and discuss centralized treatment approaches for water and wastewater
4. Identify and describe decentralized alternatives for water and wastewater treatment
5. Demonstrate and discuss the impacts of water on personal and community health

Additionally, graduate students enrolled in ENV H 545 should be able to:

1. Critically review the scientific and gray literature on water and wastewater issues
2. Compare and contrast alternative solutions to water and wastewater problem scenarios
3. Outline, recommend, and justify available solutions.

Texts and References

There is no required text for this course. Reading assignments and course materials will be provided through the course Canvas site. The following texts are recommended references for this course:

Books (may be borrowed from instructor):

- Block SS. [Disinfection, Sterilization, and Preservation](https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP71146929660001451) [↗] [_ \(https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP71146929660001451\)](https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP71146929660001451)_. 5th ed. Lippincott Williams & Wilkins; 2001.
- Tchobanoglous, George., et al. [Wastewater Engineering : Treatment and Reuse](https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP99115258880001452) [↗] [_ \(https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP99115258880001452\)](https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP99115258880001452)_. 4th ed. / revised by George Tchobanoglous, Franklin I. Burton, H. David Stensel. ed., McGraw-Hill, 2003.
- Letterman, Raymond D., and American Water Works Association. [Water Quality and Treatment : a Handbook of Community Water Supplies](https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP71165136570001451) [↗] [_ \(https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP71165136570001451\)](https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP71165136570001451)_. 5th ed., McGraw-Hill, 1999.
- Gray, N. F. [Water Technology : an Introduction for Environmental Scientists and Engineers](https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP71287089320001451) [↗] [_ \(https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP71287089320001451\)](https://alliance-primo.hosted.exlibrisgroup.com/permalink/f/kjtuig/CP71287089320001451)_. 3rd ed., Butterworth-Heinemann, 2010.

Journals (available online through UW libraries):

- Journal of American Water Works Association
- Water Science and Technology
- Water Research
- Environmental Science and Technology

Course Format

Much of the content of this course will be delivered in an asynchronous manner. However, the course will meet synchronously during the scheduled course time for guest lectures, Q&A with professors on lecture material, and group or panel discussions. The typical schedule will be: Mondays- Group Discussion, Wednesdays- Lecture or Panel Discussion, Fridays- Q&A session. The course material will be divided into modules consisting of pre-recorded lectures, reading material, group and panel discussions, and other learning activities on related topics. Students should refer to [the Modules Page of the course Canvas site](#) for a complete, session-by-session listing of course content.

Assessment of Student Learning

Letter and numerical grades for this class will typically be distributed according to the university grading scale between the following standards:

A (4.0) = Excellent and exceptional work (typically >95% of available points)

D (1.0) = Deficient work (typically <66% of available points)

It is expected that most students will perform at a level of ~3.5.

Assessment of Graduate Student Learning (ENV H 545):

The final grade for students in ENV H 545 will be determined according to the following percentage breakdown:

Introduction Video	5%
Quizzes	30%
Midterm Exam	20%
Breakout Group Facilitation	5%
Applied Scenario Project	20%
Final Exam	20%
TOTAL	100%

Introduction Video (5%): Each student is required to submit a 1-2 minute long introduction video. The video should indicate the student's name, their preferred name and pronoun, what degree program they are in, any experience they have that is relevant to the class, and what they hope to get out of the class. Students that do not have the capacity to record a video (though most should on their phones or through canvas) may submit a 1-2 page long statement describing the same information. Videos/Statements will be due by the beginning of the third class period.

Quizzes (30%): Students will have the opportunity to complete weekly quiz assignments on the reading and pre-recorded lectures. Late assignments may be penalized 10% of point value for each class period that they are late.

Midterm Exam (20%): The midterm exam will be delivered online and consist primarily of short answer questions, but may include multiple choice and fill-in the blank questions as well. Exam will be open book and open note.

Breakout Group Facilitation (5%): Graduate students will facilitate discussion in breakout groups during group discussion sessions. If unable to attend a session, the student should notify the instructors in advance to identify alternative options.

Applied Scenario Project (20%): Each graduate students will develop a short video presentation (~10 minutes) that includes a critical review of the relevant literature and potential solutions to a specific

scenario (of their choosing), in which health has been impacted by waterborne contaminants. Videos will be posted on the course Canvas site and graduate students will participate as a member of one of two panel discussion responding to questions on their presentations during the last week of class.

Final Exam (20%): The final exam will be offered during finals week. The exam will be comprehensive and will consist of short answer, multiple choice, true/false-explain, and problem solving questions. Exam will be open book and open note.

Assessment of Undergraduate Student Learning (ENV H 440):

The final grade for students in ENV H 440 will be determined according to the following percentage breakdown:

Introduction Video	5%
Quizzes	30%
Midterm Exam	25%
Group & Panel Discussions	10%
Questions for Graduate Student Panel Discussions	5%
Final Exam	25%
TOTAL	100%

Introductory Video (5%): Each student is required to submit a 1-2-minute-long introduction video. The video should indicate the students name, what they like to be called, what degree program they are in, any experience they have that is relevant to the class, and what they hope to get out of the class. Students that do not have the capacity to record a video (though most should on their phones or through canvas) may submit a 1-2 page long statement describing the same information. Videos/Statements will be due by the beginning of the third class period.

Quizzes (30%): Students will have the opportunity to complete weekly quiz assignments on the reading and pre-recorded lectures. Late assignments may be penalized 10% of point value for each class period that they are late.

Midterm Exam (25%): The midterm exam will be delivered online and consist primarily of short answer questions, but may include multiple choice and fill-in the blank questions as well. Exam will be open book and open note.

Group and Panel Discussions (10%): Students may earn credits by contributing to group and panel discussions. Points may be earned by formulating questions for guest panels or otherwise contributing to group discussions.

Questions for Graduate Student Panel Discussion (5%): Students will be expected to watch graduate student videos and formulate a questions on 5 different videos in advance of the discussions.

Final Exam (25%): Final exam will be offered during finals week. Final exam will be comprehensive and will consist of short answer, multiple choice, true/false-explain, and problem solving questions. Exam will be open book and open note.

Classroom Climate

The UW School of Public Health seeks to ensure all students are fully included in each course. We strive to create an environment that reflects community and mutual caring. We encourage students with concerns about classroom climate to talk to your instructor, your advisor, a member of the departmental or SPH Diversity Committee and/or the program director. Victoria Gardner, Assistant Dean for Equity, Diversity and Inclusion (vg@uw.edu (<mailto:vg@uw.edu>)) is also a resource for students with classroom climate concerns.

Bias Concerns

The Office of the Dean has a student concern policy, a faculty concern policy and standard HR procedures for staff concerns. Our 2018 climate survey states that most people in SPH do not report bias incidents because they do not know where to go. Students are encouraged to report any incidents of bias to someone they feel comfortable with, including instructors, advisers or department staff. They can email dcinfo@uw.edu for immediate follow up. Bias concerns can be anonymously and confidentially reported at this link <https://sph.washington.edu/about/diversity/bias-concerns>. Data is collected by the Assistant Dean for EDI and the Director of Program Operations for Student and Academic Services and tracked for resolution and areas are identified for further training.

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 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-request/).

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](https://sph.washington.edu/students/academic-integrity-policy/) [↗] [\(https://sph.washington.edu/students/academic-integrity-policy/\)](https://sph.washington.edu/students/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.

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.

Writing Resources

All written assignments for this class must be high quality, well researched, well organized, and well written. Use plain language instead of jargon. The instructors will consider the clarity of writing when grading assignments. Writing is an important transferable skill for all career pathways. Establishing a strong foundation in writing skills will help students be successful throughout their future course work and career. Therefore, this course includes written assignments with the goal to helping students identify areas of strength and improvement in writing. However, if a student feels that they could benefit from additional opportunities to improve their writing skills, a list of resources at the UW and others accessible online can be found on the SPH website (<https://sph.washington.edu/sites/default/files/inline-files/Writing-Resources-4.3.19.pdf> [↗] <https://sph.washington.edu/sites/default/files/inline-files/Writing-Resources-4.3.19.pdf>) and on the DEOHS intranet (available to DEOHS students only, <https://portal.deohs.washington.edu/index.php/academic-support-writing-resources> [↗] <https://portal.deohs.washington.edu/index.php/academic-support-writing-resources>).



Recording of Remote Class Sessions

This course is scheduled to run synchronously at the scheduled class time via Zoom. These Zoom class sessions may be recorded. The recording will capture the presenter's audio, video and computer screen. Student audio and video will be recorded if they share their computer audio and video during the recorded session. The recordings will only be accessible to students enrolled in the course to review materials. These recordings will not be shared with or accessible to the public. The University and Zoom have FERPA-compliant agreements in place to protect the security and privacy of UW Zoom accounts. Students who do not wish to be recorded should change their Zoom screen name to hide any personal identifying information such as their name or UW Net ID, and not share their computer audio or video during their Zoom sessions.



Guidance for Students Taking Remote Courses from Outside the U.S.

Faculty members at U.S. universities – including the University of Washington – have the right to academic freedom which includes presenting and exploring topics and content that other governments may consider to be illegal and, therefore, choose to censor. Examples may include topics and content involving religion, gender and sexuality, human rights, democracy and representative government, and historic events. If, as a UW student, you are living outside of the United States while taking courses remotely, you are subject to the laws of your local jurisdiction. Local authorities may limit your access to course material and take punitive action towards you. Unfortunately, the University of Washington has no authority over the laws in your jurisdictions or how local authorities enforce those laws. If you are taking UW courses outside of the United States, you have reason to exercise caution when enrolling in courses that cover topics and issues censored in your jurisdiction. If you have concerns regarding a course or courses that you have registered for, please contact your academic advisor who will assist you in exploring options.










Course Summary:












Date	Details	
Wed Sep 30, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644865&include_contexts=course_1397849)	11:30am to 12:30pm
Fri Oct 2, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644866&include_contexts=course_1397849)	11:30am to 12:30pm












Date	Details	
Mon Oct 5, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644867&include_contexts=course_1397849)	11:30am to 12:30pm
Wed Oct 7, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644868&include_contexts=course_1397849)	11:30am to 12:30pm
Fri Oct 9, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644869&include_contexts=course_1397849)	11:30am to 12:30pm
Mon Oct 12, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644870&include_contexts=course_1397849)	11:30am to 12:30pm
Wed Oct 14, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644871&include_contexts=course_1397849)	11:30am to 12:30pm
Fri Oct 16, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644872&include_contexts=course_1397849)	11:30am to 12:30pm
Mon Oct 19, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644873&include_contexts=course_1397849)	11:30am to 12:30pm
	 Group Discussion 2 (https://canvas.uw.edu/courses/1397849/assignments/5759316) (1 student)	due by 11:59pm
	 Group Discussion 2 (https://canvas.uw.edu/courses/1397849/assignments/5759316)	due by 11:59pm
	 Quiz 1 (https://canvas.uw.edu/courses/1397849/assignments/5759280) (1 student)	due by 11:59pm






Date	Details
	 Quiz 1 https://canvas.uw.edu/courses/1397849/assignments/5759280 due by 11:59pm
	 Group Discussion 3 https://canvas.uw.edu/courses/1397849/assignments/5759317 due by 11:59pm
Tue Oct 20, 2020	 Quiz 2 https://canvas.uw.edu/courses/1397849/assignments/5759282 due by 11:59pm
Wed Oct 21, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health https://canvas.uw.edu/calendar?event_id=1644874&include_contexts=course_1397849 11:30am to 12:30pm
Fri Oct 23, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health https://canvas.uw.edu/calendar?event_id=1644875&include_contexts=course_1397849 11:30am to 12:30pm
	 Current Events 1 https://canvas.uw.edu/courses/1397849/assignments/5761750 due by 11:59pm
	 Group Discussion 1 https://canvas.uw.edu/courses/1397849/assignments/5759311 due by 11:59pm
	 Panel Discussion Questions https://canvas.uw.edu/courses/1397849/assignments/5778474 due by 11:59pm
Sun Oct 25, 2020	 Quiz 3 https://canvas.uw.edu/courses/1397849/assignments/5759273 due by 11:59pm
	 Video Introduction https://canvas.uw.edu/courses/1397849/assignments/5761657 due by 11:59pm
	 Written alternative to video introduction https://canvas.uw.edu/courses/1397849/assignments/5755495 due by 11:59pm
Mon Oct 26, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health https://canvas.uw.edu/calendar?event_id=1644876&include_contexts=course_1397849 11:30am to 12:30pm

Date	Details	
Wed Oct 28, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644877&include_contexts=course_1397849)	11:30am to 12:30pm
Fri Oct 30, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644878&include_contexts=course_1397849)	11:30am to 12:30pm
Mon Nov 2, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644879&include_contexts=course_1397849)	11:30am to 12:30pm
	 Quiz 4 (https://canvas.uw.edu/courses/1397849/assignments/5759286)	due by 11:59pm
	 Group Discussion 4 (https://canvas.uw.edu/courses/1397849/assignments/5759321)	due by 11:59pm
Wed Nov 4, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644880&include_contexts=course_1397849)	11:30am to 12:30pm
Fri Nov 6, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644881&include_contexts=course_1397849)	11:30am to 12:30pm
Sun Nov 8, 2020	 Midterm - Undergraduate Students (https://canvas.uw.edu/courses/1397849/assignments/5700468)	due by 11:59pm
	 Quiz 2 (https://canvas.uw.edu/courses/1397849/assignments/5759282) (1 student)	due by 11:59pm
	 Quiz 3 (https://canvas.uw.edu/courses/1397849/assignments/5759273) (2 students)	due by 11:59pm

Date	Details	
Mon Nov 9, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644882&include_contexts=course_1397849)	11:30am to 12:30pm
	 Group Discussion 5 (https://canvas.uw.edu/courses/1397849/assignments/5759323)	due by 11:59pm
Wed Nov 11, 2020	 NO CLASS - Veteran's Day (https://canvas.uw.edu/calendar?event_id=1595088&include_contexts=course_1397849)	12am
	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644883&include_contexts=course_1397849)	11:30am to 12:30pm
Thu Nov 12, 2020	 Midterm (https://canvas.uw.edu/courses/1397849/assignments/5700466)	due by 11:59pm
Fri Nov 13, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644884&include_contexts=course_1397849)	11:30am to 12:30pm
	 Quiz 5 (https://canvas.uw.edu/courses/1397849/assignments/5759720)	due by 11:59pm
Mon Nov 16, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644885&include_contexts=course_1397849)	11:30am to 12:30pm
Wed Nov 18, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644886&include_contexts=course_1397849)	11:30am to 12:30pm
Fri Nov 20, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644887&include_contexts=course_1397849)	11:30am to 12:30pm

Date	Details	
Mon Nov 23, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health https://canvas.uw.edu/calendar?event_id=1644888&include_contexts=course_1397849	11:30am to 12:30pm
	 Quiz 6 https://canvas.uw.edu/courses/1397849/assignments/5759288	due by 11:59pm
	 Current Events 3 https://canvas.uw.edu/courses/1397849/assignments/5759341	due by 11:59pm
Wed Nov 25, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health https://canvas.uw.edu/calendar?event_id=1644889&include_contexts=course_1397849	11:30am to 12:30pm
Fri Nov 27, 2020	 No Class- Thanksgiving Break https://canvas.uw.edu/calendar?event_id=1595089&include_contexts=course_1397849	12am
	 ENV H 440/545 A Au 20: Water, Wastewater, And Health https://canvas.uw.edu/calendar?event_id=1644890&include_contexts=course_1397849	11:30am to 12:30pm
Mon Nov 30, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health https://canvas.uw.edu/calendar?event_id=1644891&include_contexts=course_1397849	11:30am to 12:30pm
	 Graduate Videos https://canvas.uw.edu/courses/1397849/assignments/5700470	due by 11:59pm
Wed Dec 2, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health https://canvas.uw.edu/calendar?event_id=1644892&include_contexts=course_1397849	11:30am to 12:30pm
	 Quiz 7 https://canvas.uw.edu/courses/1397849/assignments/5759305	due by 11:59pm
	 Midterm regrading https://canvas.uw.edu/courses/1397849/assignments/5859293	due by 11:59pm

Date	Details	
Fri Dec 4, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644893&include_contexts=course_1397849)	11:30am to 12:30pm
	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644894&include_contexts=course_1397849)	11:30am to 12:30pm
	 Quiz 8 (https://canvas.uw.edu/courses/1397849/assignments/5759307)	due by 11:59pm
Mon Dec 7, 2020	 Discussion 6 (https://canvas.uw.edu/courses/1397849/assignments/5759332)	due by 11:59pm
	 Graduate Student Panel Questions (https://canvas.uw.edu/courses/1397849/assignments/5759252) (ENV H 440 A)	due by 11:59pm
	 Group Discussion Facilitation (https://canvas.uw.edu/courses/1397849/assignments/5759259)	due by 11:59pm
	 Panel Discussion Reflection (https://canvas.uw.edu/courses/1397849/assignments/5759248)	due by 11:59pm
Tue Dec 8, 2020	 Graduate Student Panel Questions (https://canvas.uw.edu/courses/1397849/assignments/5759252) (1 student)	due by 11:59pm
	 Quiz 8 (https://canvas.uw.edu/courses/1397849/assignments/5759307) (1 student)	due by 11:59pm
Wed Dec 9, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644895&include_contexts=course_1397849)	11:30am to 12:30pm
	 Midterm regrading (https://canvas.uw.edu/courses/1397849/assignments/5859293) (1 student)	due by 11:59pm

Date	Details	
Fri Dec 11, 2020	 ENV H 440/545 A Au 20: Water, Wastewater, And Health (https://canvas.uw.edu/calendar?event_id=1644896&include_contexts=course_1397849)	11:30am to 12:30pm
	 Midterm regrading (https://canvas.uw.edu/courses/1397849/assignments/5859293) (1 student)	due by 11:59pm
Thu Dec 17, 2020	 Final (https://canvas.uw.edu/courses/1397849/assignments/5700472)	due by 11:59pm
	 Final Exam (https://canvas.uw.edu/courses/1397849/assignments/5700467)	due by 11:59pm
	 Current Events 2 (https://canvas.uw.edu/courses/1397849/assignments/5759337)	