ENVH 580A: Environmental & Occupational Health Sciences Webinar

Quarter: Winter 2022  
Credits & Grading: 1 credit, credit/no credit  
Time: Thursdays, 12:30 to 1:20 PM

Zoom Webinar Registration Link for All Sessions:  
https://washington.zoom.us/webinar/register/WN_utrqq5ntQSmu0SA-sCIkIQ

Course Description:

The purpose of this course is to expose DEOHS students to a broad range of environmental and occupational research, practice, and policy issues. The students will attend a weekly online seminar that is presented by an invited speaker in the field of environmental and occupational health sciences. There will be no live, in-person sessions for this course.

Course Documents:

- Click on the Syllabus link (https://canvas.uw.edu/courses/1554619/assignments/syllabus) to the left to view the full course syllabus.
- Click on the Modules link (https://canvas.uw.edu/courses/1554619/modules) to the left to access all course materials organized by seminar.
- Information about the seminar series is also available on the DEOHS website: http://deohs.washington.edu/calendar/environmental-health-seminar

Instructor:

Evan Gallagher, Professor  
Phone: 206-616-4739  
Email: evang3@uw.edu (mailto:evang3@uw.edu)  
(tmb@uw.edu) Office Hours: By appointment
January 6th Webinar • RECORDING LINK (https://washington.zoom.us/rec/share/aJ5EhTQrbvx_jbR6MnqMTSCstartTime=1641500972000)

**Climate Change, Pandemics, and Animals: Part of the Problem**
Peter Rabinowitz, MD, MPH (bio (https://deohs.washington.edu/faculty/julianne-meisner).)

Recommended reading is available HERE (https://canvas.uw.edu/courses/1554619/assignments/6891456) and from the

Click HERE to complete the follow-up assignment (https://canvas.uw.edu/courses/1554619/assignments/6891456)

(Note: Assignments become available immediately after the webinar and re

January 13th Webinar • RECORDING LINK (https://washington.zoom.us/rec/share/cR83tSZureNTNPtLu7P_lpTnq(startTime=1642105414000)

**Urban Ultrafine Particles, Measurement and Community Impact**
Elena Austin, PhD (bio (https://deohs.washington.edu/faculty/elena).)

Recommended background reading is available HERE (https://canvas.uw.edu/courses/1554619/assignments/6891456)

Click HERE to complete the follow-up assignment (https://canvas.uw.edu/courses/1554619/assignments/6891456)

(Note: Assignments become available immediately after the webinar and re
January 20th Webinar • RECORDING LINK (https://washington.zoom.us/rec/share/9FmD5hEFTZWr2HLbb1rpKF0IstartTime=1642710377000)

Developing Biomarkers to Understand the Effects of Emerging
Evan Gallagher, PhD (bio (https://deohs.washington.edu/faculty/ev: (https://canvas.uw.edu/courses/1554619/assignments/6891456)

Recommended background reading is available HERE (https://canvas.uw (https://canvas.uw.edu/courses/1554619/assignments/6891459), and from the L

Click HERE to complete the follow-up assignment (https://canvas.uw.edu/)

(Note: Assignments become available immediately after the webinar and ren

January 27th Webinar • RECORDING LINK (https://washington.zoom.us/rec/share/vUSXiAfUG5xWkRmRVZKLD9I'startTime=1643315392000)

Environmentally-Related Cancers
Harvey Checkoway, PhD (bio (https://profiles.ucsd.edu/harvey.chec

Recommended background reading is available HERE (https://canvas.uw. (https://canvas.uw.edu/courses/1554619/assignments/6891456)

Click HERE to complete the follow-up assignment (https://canvas.uw.edu/)

(Note: Assignments become available immediately after the webinar and ren

February 3rd Webinar • RECORDING LINK (https://washington.zoom.us/rec/share/UJzruZm6Y5LXr03rk-UWkl1zEvaFPeOduVtBogbwbxWdsmKDBahA0JybgtBbMF96.Y8wSblzg startTime=1643919733000)
**Ghosts of Oceans Past: What Can Data on Historical Parasite Biases Tell Us about the Future of Marine Disease?**

Chelsea Wood, PhD ([bio](https://fish.uw.edu/faculty/chelsea-wood/)

Recommended background reading is available HERE ([https://canvas.uw.edu/courses/1554619/assignments/6891460](https://canvas.uw.edu/courses/1554619/assignments/6891460)) and from the Moleda site ([https://canvas.uw.edu/courses/1554619/assignments/6891456](https://canvas.uw.edu/courses/1554619/assignments/6891456)).

Click HERE to complete the follow-up assignment ([https://canvas.uw.edu/courses/1554619/assignments/6891470](https://canvas.uw.edu/courses/1554619/assignments/6891470)) for this webinar.

*(Note: Assignments become available immediately after the webinar and remain open until the following Wednesday at 5:00 PM)*

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February 10th Webinar • RECORDING LINK ([https://washington.zoom.us/rec/share/QnajhmHAMgGpegQfijLjH1XXk(startTime=1644524935000)](https://washington.zoom.us/rec/share/QnajhmHAMgGpegQfijLjH1XXk(startTime=1644524935000))

**From Identifying Single Environmental Exposures to the Exposure of Groups**

Judit Marsillach, PhD ([bio](https://deohs.washington.edu/faculty/judit-marsillach/)

Recommended background reading is available HERE ([https://canvas.uw.edu/courses/1554619/assignments/6891456](https://canvas.uw.edu/courses/1554619/assignments/6891456)).

Click HERE to complete the follow-up assignment ([https://canvas.uw.edu/courses/1554619/assignments/6891470](https://canvas.uw.edu/courses/1554619/assignments/6891470)).

*(Note: Assignments become available immediately after the webinar and remain open until the following Wednesday at 5:00 PM)*

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February 17th Webinar • RECORDING LINK ([https://washington.zoom.us/rec/share/4UzpOFC72iFBW71k3I0TJKjo(startTime=1645129765000)](https://washington.zoom.us/rec/share/4UzpOFC72iFBW71k3I0TJKjo(startTime=1645129765000))

**Climate Changes Health: How We Know and Where We Are Going**

Kristie Ebi, PhD ([bio](https://deohs.washington.edu/faculty/kristie-l-ebi/)

Recommended background reading is available HERE ([https://canvas.uw.edu/courses/1554619/assignments/6891456](https://canvas.uw.edu/courses/1554619/assignments/6891456)).

Click HERE to complete the follow-up assignment ([https://canvas.uw.edu/courses/1554619/assignments/6891470](https://canvas.uw.edu/courses/1554619/assignments/6891470)).

*(Note: Assignments become available immediately after the webinar and remain open until the following Wednesday at 5:00 PM)*
February 24th Webinar

**Asthma, the Microbiome, and Social Equity** - CANCELLED!
Ariangela Kozik, PhD (bio [https://kozimicrobe.com/](https://kozimicrobe.com/))

March 3rd Webinar

**PXR, the Good, the Bad, and the Ugly**

Julia Yue Cui, PhD (bio [https://deohs.washington.edu/faculty/julia-yue-cui](https://deohs.washington.edu/faculty/julia-yue-cui))

**Recommended background reading is available HERE**
[https://canvas.uw.edu/courses/1554619/assignments/6891464](https://canvas.uw.edu/courses/1554619/assignments/6891464) and from the Modules Page
[https://canvas.uw.edu/courses/1554619/assignments/6891456](https://canvas.uw.edu/courses/1554619/assignments/6891456)

**Click HERE to complete the follow-up assignment**
[https://canvas.uw.edu/courses/1554619/assignments/6891474](https://canvas.uw.edu/courses/1554619/assignments/6891474) for this webinar.

(Note: Assignments become available immediately after the webinar and remain available until the following Wednesday at 5:00 PM)

March 10th Webinar

**Researching Apple Snails from Multiple Angles in Support of Conservation of the Endangered Snail Kite**

Philip Darby, PhD (bio [https://uwf.edu/hmcse/departments/biology/faculty/dr-philip-darby.html](https://uwf.edu/hmcse/departments/biology/faculty/dr-philip-darby.html))
Recommended background reading is available HERE (https://canvas.uw.edu/courses/1554619/assignments/6891455) and from the Modules Page.

(https://canvas.uw.edu/courses/1554619/assignments/6891456)

Click HERE to complete the follow-up assignment (https://canvas.uw.edu/courses/1554619/assignments/6891465) for this webinar.

(Note: Assignments become available immediately after the webinar and remain available until the following Wednesday at 5:00 PM)
Course Syllabus

Department of Environmental and Occupational Health Sciences
ENVH 580: ENVIRONMENTAL HEALTH SEMINAR • Winter 2022

Meeting Dates and Times

Thursdays, 12:30-1:30 on ZOOM:
https://washington.zoom.us/webinar/register/WN_utrqq5ntQSmu0SA-sCIkIQ
(Full Zoom invitation is here)

Instructor

Evan Gallagher, PhD
206-543-8001; evang3@uw.edu (mailto:evang3@uw.edu)
gcang@uw.edu (mailto:gcang@uw.edu) Office hours: by appointment (Zoom)

Course Description

The purpose of this course is to expose DEOHS students to a broad range of environmental and occupational research, practice, and policy issues. The students will attend a weekly online seminar that is presented by an invited speaker in the field of environmental and occupational health sciences.

Course Learning Objectives

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

1. Discuss a range of occupational and environmental issues and their effects on practice and policy implementation.
2. Discuss the basic approaches to assessing and controlling environmental and occupational hazards.
3. Review the role of laws and regulations in controlling occupational and environmental health hazards.
4. Describe the roles played by statutes, stakeholders, and institutions in occupational and environmental health.
5. Contrast the skills, language, and models for professional presentations.

Course Requirements

Attendance at the Virtual Seminars/Webinars: Since this class is intended to be interactive, participation in the live stream webinars is encouraged, but not required. All sessions will be recorded and links to the recordings will be provided on the Home and Modules pages of this Canvas site as soon as they become available.
**Background Readings:** Many speakers recommend background readings relevant to the topic they will be addressing. Links to the available background readings are on the Home and Modules page. We encourage you to take advantage of these to familiarize yourself with the speakers' work and prepare to ask the speaker questions using the Q & A feature during the webinar.

**Assignments:** You will be asked to provide feedback about the seminar each week. This is done using an assignment on this Canvas site. Each assignment will ask you to reflect on the content of the seminar and provide some constructive feedback to the speaker. The assignment becomes available immediately following the seminar and remains available until the following Wednesday at 5:00 PM. Late submissions will not be counted. **In order to receive credit for the class, you are required to submit complete follow-up assignments for at least 7 of the 9 seminars.**

**Follow-up Assignment Instructions**

1. Log onto this site.
2. On the home page you will see a banner displaying the current seminar title and a link to the corresponding assignment.
3. You can also navigate to the assignments via “MODULES” or “ASSIGNMENTS” in the navigation bar on the left.

**Grading**

The seminar is graded “Credit/No Credit.” To receive credit for the course you must submit on-time follow-up assignments for at least 8 of the 10 seminars.

**Procedure for Substituting a Seminar**

To obtain credit for a seminar that is not part of ENVH 580, but related to your field of study and environmental and occupational health sciences, contact the instructor for prior approval. Once you have received approval to substitute a seminar session and attended the substitute seminar, you should submit the assignment for the 580 seminar you are missing and indicate in your response that you are completing the assignment for the substitute seminar, being sure to include the speaker(s)' name(s), title and date of the substitute seminar. **You are allowed a maximum of two substitutions** (i.e., up to two of the eight assignments required to pass the class can be completed for non-580 seminars).

**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.
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).

**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.

**Equity, Diversity, and Inclusion**

Diverse backgrounds, embodiments and experiences are essential to the critical thinking endeavor at the heart of University education. In SPH, students are expected:

- To respect individual differences, which may include, but are not limited to, age, cultural background, disability, ethnicity, family status, gender, immigration status, national origin, race, religion, sex, sexual orientation, socioeconomic status and veteran status.
- 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.
- To encourage students with concerns about classroom climate to talk to their instructor, adviser, a member of the departmental or SPH EDI Committee, the Assistant Dean for EDI, or the program’s director.
# Course Summary:

<table>
<thead>
<tr>
<th>Date</th>
<th>Details</th>
<th>Due</th>
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<tbody>
<tr>
<td>Thu Jan 6, 2022</td>
<td>📄 Background Reading for Session 1 (Rabinowitz &amp; Meisner)</td>
<td>Due by 12:30pm</td>
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<td>Wed Jan 12, 2022</td>
<td>📄 Session 1 Assignment (Rabinowitz &amp; Meisner, 1/6)</td>
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<td>📄 Background Reading for Session 3 (Gallagher)</td>
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<td>Wed Jan 26, 2022</td>
<td>📄 Session 3 Assignment (Gallagher, 1/20)</td>
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<td>📄 Session 4 Assignment (Checkoway, 1/27)</td>
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**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.
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<td>Thu Feb 3, 2022</td>
<td>📖 Background Reading for Session 5 (Wood)</td>
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<td>Wed Feb 9, 2022</td>
<td>📖 Session 5 Assignment (Wood, 2/3)</td>
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