⬛ **ENVIRONMENTAL & OCCUPATIONAL HEALTH SCIENCES**
UNIVERSITY *of* WASHINGTON | SCHOOL OF PUBLIC HEALTH
(https://deohs.washington.edu/)

ENVH 596A: Current Issues in Environmental & Occupational Medicine

Quarter: Summer 2022, Term A and B
Credits & Grading: 2 credits, graded
Time: Thursdays, 4:00-5:15 PM
Location: Zoom

Instructor:

Debra Cherry, Associate Professor
Office: Pat Steel, 5130
Email: **cherryd@uw.edu (mailto:cherryd@uw.edu)**
Phone: 206-744-9398
Office Hours: By appointment

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.

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.

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/)**. 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

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)** . 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 (for courses with written assignments)

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) and on the DEOHS intranet (https://portal.deohs.washington.edu/index.php/academic-support-writing-resources).

Course Syllabus:

Click on "**Syllabus (https://canvas.uw.edu/courses/1556926/assignments/syllabus)** " on the navigation bar on the left to access a detailed syllabus for this course.

Feedback or Questions about this Canvas Site?

If you have feedback or questions about how to use this course site or Canvas in general, please contact Jon Sharpe, DEOHS Instruction Support Specialist - **jsharpe@uw.edu (mailto:jsharpe@uw.edu)** , 206-221-8690.

Course Syllabus

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ENV H 596/NURS 580

Current Issues In Occupational and Environmental Medicine

Summer 2022

Course Time: Thursdays, 4:00 pm - 5:15 pm

Course Location: Zoom Link: https://washington.zoom.us/j/99205629762

Course Instructor:

Debra Cherry, MD, MS

Associate Professor, General Internal Medicine

Adjunct Associate Professor, Environmental and Occupational Health Sciences

Office: Patricia Steel Building, Suite 5082

Phone: 206-744-9398

Email: **cherryd@uw.edu (mailto:cherryd@uw.edu)**

Office Hours: By appointment

Course Website: See Canvas, ENV H 596 A, Summer

Course Description

This course is offered during Summer and Spring quarters of the academic year and is a requirement for UW Occupational and Environmental Medicine (OEM) residents, Madigan Preventive Medicine (PM) residents, and other students enrolled in the DEOHS OEM MPH academic degree program. The course is also open to other clinically-oriented students, including but not limited to occupational and environmental health nursing students, medical fellows in other medical subspecialties, residents in internal medicine, family medicine, emergency medicine, and rehabilitation medicine, and third and fourth year medical students. The course is also open to non-clinically-oriented students, including exposure sciences students, with permission of the instructors.

During the Summer 2022 sessions, this course will focus on an array of Occupational and Environmental Medicine (OEM) topics and current issues including OEM law and regulation, evidence based medicine, OSHA standards, employment law such as ADA and disability accommodation, the workers' compensation system, substance abuse in the workplace, transportation medicine, and workplace violence. Emphasis is placed on critical reading of the literature and practical application of evidence-

based OEM to real world scenarios. To promote integration of concepts, students will watch short video lectures, review background materials, and read the pre-assigned journal articles before each session. Journal article and case discussions facilitated by the instructor will occur during class time.

Course Logistics

Students may register for the course on a graded or credit/no credit basis, although graded status is required if the course is being taken to fulfill a degree requirement. OEM MPH students who started in Autumn 2019 will take 12 credits total of ENV H 596, while the cohort starting in AY21 (meaning starting year 1 in July 2020) will take ENV H 596 only in year 1 of the program for a total of six credits.

E-mail is the standard medium used for communication regarding this course. Readings and other resources will be distributed via the course web site. Students are responsible for ensuring that their correct email address is on file and for informing the instructor if they are unable to use electronic media.

Remote Participation

All participation is remote using the Zoom video conferencing platform, in accordance with COVID-19 protocols for UW. A login URL and login instructions will be provided. Zoom is easy to use and only requires a computer or laptop with a built-in camera, microphone, and reliable Wi-Fi or Ethernet connection. First time users will be prompted to download and install a desktop client application (which may require administrative permissions if the computer is centrally managed). Users may log into UW Zoom Video Conferencing by following instructions available **here (https://itconnect.uw.edu/connect/phones/conferencing/zoom-video-conferencing/zoom-software/#dl)** , and join a UW Zoom meeting by following instructions available **here (https://itconnect.uw.edu/connect/phones/conferencing/zoom-video-conferencing/join-meeting/)** .

Schedule of Topics:

July 14	Evidence based medicine, Tx Guidelines, UR, and Upcoming IIMAC
July 21	Employment regulations (ADA, FMLA, GINA, PDA) at 2:30
July 21	Workers' Compensation by Dr. Nicholas Reul
July 28	LNI IIMAC Meeting
Aug 4	Disaster Management and CRBNE by Dr. Scott Phillips
Aug 11	Transportation Medicine & Fitness for Duty by Dr. John Holland
Aug 18	Substance Misuse, MRO & EAP, speaker tbd

Course Learning Objectives

This quarter is primarily devoted to OEM laws, regulations, and administration. By the end of this course, students should be able to:

1. Discuss the basic elements of evidence-based medicine, including review and development of evidence by entities such as USPSTF, ODG, FDA trials, state specific treatment guidelines, and utilization review by insurance companies.
2. Summarize the basic elements of employment law such as ADA, FMLA, GINA, and PDA.
3. Summarize the basic elements of the worker's compensation system.
4. Learn about the role of OEM physicians in transportation medicine, especially pertaining to the railroad.
5. Describe the impact of drug and alcohol abuse in the workplace and the role of industry and government programs in preventing and controlling drug and alcohol abuse.
6. Learn about the role of OEM physicians in chemical, radiological, biological, nuclear, and explosive (CRBNE) disasters

These topics pertain to the following ACGME competencies (http://www.acgme.org/Portals/0/PDFs/Milestones/PreventiveMedicineMilestones-OccupationalMedicine.pdf):

Policies and Plans: Develop policies and plans to support individual and community health efforts — Patient Care 6 (USPSTF, topic 1a)

Evaluating Health Services: Evaluate Population-based health services — Patient Care 7 (UR, topic 1b)

Occupational and Environmental Medicine (OEM) Related Law and Regulations: Comply with regulations important to occupational and environmental health; workplace hazard related (e.g., Occupational Safety and Health Administration [OSHA]-based), and consumer/community hazard related (e.g., Environmental Protection Agency [EPA], Consumer Product Safety Commission [CPSC]) — Patient Care 9 (Topics 2, 3, and 4)

Work Fitness and Disability Integration: Determine if a worker can safely be at work/complete required job tasks, and provide guidance for integrating an employee with a disability into the workplace — Patient Care 10 (Topics 3, 7, and 8 on ADA and impairment)

OEM Related Management and Administration — Patient Care 13 (Topics 6 and 7)

The topics also map to ABPM OM exam content outline (https://www.theabpm.org/become-certified/exam-content/occupational-medicine-content-outline/), including:

III. OEHS Administration and Systems-Based Practice
C. Regulations: OSHA, EPA, ADA and ADAAA, GINA, FMLA
D. Workers' Compensation: Payment principles, Disability assessment, Health care delivery systems, OEHS program management
E. Health and Productivity: Health risk assessments, Nutrition, Physical activity, Lifestyle medicine
G. Transportation Medicine: Commercial driver medical examinations
H. Disability Administration: Disability prevention and management, Americans with Disabilities Act,

Fitness for duty and return to work

I. Substance Use and Abuse: Employee assistance programs

J. Workplace Violence

Course Format

Overview

This course uses a flipped classroom approach (**http://www.washington.edu/teaching/teaching-resources/flipping-the-classroom/** (http://www.washington.edu/teaching/teaching-resources/flipping-the-classroom/)). Prior to each session, students review background materials and write reading reflections. In-class time is devoted to: assessing uptake of information presented in background materials using a question-and-answer format, discussing the materials, and student led discussion of discussion board posts beginning the third week of the class. For some sessions, guest experts will be invited to engage students in discussion about real world applications of the session topic.

Before each class

Read background materials and write reading reflections as a "quiz." Each week, some students will have a discussion board assignment.

Session format:

In general, the format for each session will consist of:

20 min: Course intro first week, then student led presentation of discussion board postings

20 min: Poll questions (board style), mini-presentation of key pointsTopic 1

20 min: Applied exercise or journal article

Session format (with guest expert):

Study questions, reading on your own

45 min: Discussion with guest expert

10 min: Session wrap up

Evaluation methods: Grades are based on main discussion board post, reply/peer review of post, weekly reading reflection, and class participation.

Readings and Other Preparatory Materials

All readings, videos, and other materials will be posted on the class website. All students are expected to be able to access class materials via the course website. If this presents a problem, students are expected to let the instructor know immediately.

Please be advised that to use the electronic material on the course website, you must agree to the following statement: The copyright law of the United States (Title 17, United States Code) governs the making of photocopies or other reproductions of copyrighted materials. Under certain conditions specified in the law, libraries and archives are authorized to furnish a photocopy or other reproduction. One of these specified conditions is that the photocopy or reproduction is not to be used for any purpose other than private study, scholarship, or research. If a user makes a request for, or later uses, a photocopy or reproduction for purposes in excess of fair use that user may be liable for copyright infringement.

Assignment of numeric grades will use UW Department of Health Services grading guidelines for graduate students. More details are available at the UW Department of Health Services **Departmental Grading Policy** **(http://depts.washington.edu/hserv/grading)** website and reproduced below.

4.0 Excellent and exceptional work

3.7 Strong work

3.5 Competent and sound work

3.3 Adequate work, although some weaknesses are evident

3.0 Borderline work

2.7 Deficient work

Course Summary:

Date	Details	Due
	📝 **Background reading for Session 1a (uspstf) (https://canvas.uw.edu/courses/1556926/assignments/7400212)**	due by 11:59pm
Thu Jul 16, 2020	📝 **Background reading for session 1b (evidence based treatment) (https://canvas.uw.edu/courses/1556926/assignments/7400213)**	due by 11:59pm
	📝 **Participation Session 1 (https://canvas.uw.edu/courses/1556926/assignments/7400229)**	due by 11:59pm
Fri Jul 17, 2020	🚀 **Reading reflections session 1a (USPSTF) (https://canvas.uw.edu/courses/1556926/assignments/7400199)**	due by 11:59pm