

Course Syllabus

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ENV H 597A: Case Studies in Occupational and Environmental Health

Quarter: Spring 2017

Day/Time: Thursdays, 2:45pm - 3:30pm

Location: 4225 Roosevelt Way, Room 2228 (the 'Fish bowl')

Instructor: Debbie Cherry, MD, MS; Associate Professor, Department of Environmental and Occupational Health Sciences; Phone: (206) 744-9398; E-mail: cherryd@u.washington.edu

Office Hours: By appointment

Course Description: In this course, Occupational and Environmental Medicine residents will discuss the details of clinical cases encountered at Harborview's Occupational Medicine Clinic, and also at Occupational Medicine Clinics in the community. One occupational or environmental injury or disease case will be presented and discussed at each session. The occupational and environmental injury or disease topics will be determined ahead of time. Residents may also choose an 'alternative topic' from the list of options provided each week. Each resident will present 2-3 cases during the quarter. Residents will use the following format for presenting cases:

Presentation Format:

15 min: Case presentation

10 min: Q & A Discussion including faculty input and participation

20 min: Teaching Points, including:

- Epidemiology and work relatedness
- Key physical examination and provocative maneuvers
- Pertinent diagnostics
- Differential diagnoses
- Disease management and clinical course
- Work restrictions/accommodations

For each case presented, residents will prepare a **1 - 2 page summary of teaching points** for the occupational injury or disease topic covered. This summary will highlight the teaching points outlined above and also include **a list of key** references, including at least one scholarly article. Residents may also opt to prepare a powerpoint presentation of the case with associated key teaching points and references in lieu of the summary handout. Residents will email this summary handout and/or presentation to Esi Nkyekyer (esink@uw.edu) after each case presentation to be uploaded onto the course Canvas website.

Other Recommendations:

- *Case Presentation:* Although using PowerPoint is an option, it is not at all required. It is very acceptable to simply present the case without PowerPoint. Residents are encouraged to present without PowerPoint, primarily to decrease preparation time.
- *Interactive Discussion:* A case conference format is available under 'Files -> Logistics'. It includes recommended 'pause points' during which residents are encouraged to ask questions to get input from the group and promote discussion.
- *Summary of Teaching Points:* This handout is meant to help residents organize their thought processes particularly related to assessment and management plan for the cases presented. Residents have likely already done much of this work in their clinic notes so it should not require significant additional preparation. Again, a Word document in this instance is very acceptable and encouraged. This handout will use this for final grading purposes.

Course Learning Objectives: The focus of the Spring 2017 quarter for ENV H 597A is **Occupational and Environmental Exposures**, including exposures to metals, chemicals, solvents, gases and other airborne toxicants, and pesticides. By the end of this quarter, residents will be able to :

1. Describe the epidemiology of prevalent occupational and environmental exposures and their associated disease processes
2. Explain and discuss the challenges associated with determining work-relatedness of occupational and environmental exposures
3. Diagnose and manage diseases associated with prevalent occupational and environmental exposures
4. Recommend appropriate occupational (and non-occupational) accommodations and restrictions for diseases associated with prevalent occupational and environmental exposures
5. Describe the clinical course of diseases associated with prevalent occupational and environmental exposures

Evaluation Methods: The instructor will assign a grade based on attendance, presentations, teaching handouts and class participation. Case presentations will be graded on elements of the occupational history and demonstration of competencies in toxicology, industrial hygiene and work fitness and disability.

Recommended Resources:

1. Rosenstock, L et al (2004). Textbook of Clinical Occupational and Environmental Medicine, 2nd Edition. Philadelphia. Elsevier Saunders.
2. **LaDou J, et al (2014). CURRENT Occupational and Environmental Medicine, 5th Edition. New York. McGraw-Hill. (<http://accessmedicine.mhmedical.com/offcampus.lib.washington.edu/book.aspx?bookid=1186>)**
3. Melhorn JM, et al (2013). AMA Guides to the Evaluation of Disease and Injury Causation, 2nd Edition. AMA

Occupational and Environmental Medicine Resident Didactic Series

Quarters: Spring 2017

Day/Time: Thursdays, 2:00pm - 2:45pm

Location: 4225 Roosevelt Way, Room 2228 (the 'Fish bowl')

Instructor: Debbie Cherry, MD, MS; Associate Professor, Department of Environmental and Occupational Health Sciences; Phone: (206) 744-9398; E-mail: cherryd@u.washington.edu

Office Hours: By appointment

Course Description: Please note that this didactic series will precede ENV H 597A, but is not a required part of the ENV H 597A course. This didactic series is specifically targeted to Occupational and Environmental Medicine (OEM) Residents. The primary objective of this course is to discuss topics pertinent to Occupational and Environmental Medicine, not covered elsewhere in the curriculum, particularly pertaining to preventive medicine and related public health topics. Selected topics will be discussed each week facilitated by Debra Cherry and Esi Nkyekyer.

Course Learning Objectives: The areas of focus for the Spring 2017 quarter for the resident didactic series are Biomedical Research Integrity, Health Services Management, Emergency Preparedness, and Chronic Pain. By the end of the quarter, residents will be able to:

1. Explain and discuss the various aspects of biomedical research integrity including conflicts of interest; responsible authorship and publication; research misconduct; data acquisition, management, sharing, and ownership; and peer review and publication practices.
2. Describe the fundamental principles of health services management including organizational and personnel management; healthcare financing; strategic planning; human resources and labor relations.
3. Describe the fundamental principles of emergency preparedness and management including the five key components of emergency management and the importance of an emergency operations plan.
4. Explain the neuropsychology of pain and describe pharmacologic and psychologically-based therapies for chronic pain management.

Readings and Other Preparatory Materials: All course materials or links to 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.

Multicultural Inclusion: 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. DCinfo@uw.edu (<mailto:DCinfo@uw.edu>) is a resource for students with classroom climate concerns.

Access and Accommodations: Your experience in this class is important to us, and it is the policy and practice of the University of Washington

to create inclusive and accessible learning environments consistent with federal and state law. If you experience barriers based on a disability or temporary health condition, please seek a meeting with Disability Resources for Students (DRS) to discuss and address them. If you have already established accommodations with DRS, please communicate your approved accommodations to your instructor at your earliest convenience so we can discuss your needs in this course. 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. If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (this can 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 or disability.uw.edu

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. 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.

Course Summary:

Date	Details	
Thu Mar 30, 2017	■ 3/30/2017 Recommended Resources (A Case of Wood Floor Refinishing Formaldehyde Exposure - Demitris Haldeos) https://canvas.uw.edu/courses/1139059/assignments/3676331	due by 11:59pm
	■ 3/30/2017 Required Reading and Activities (Resident Didactic Series - Chronic Pain Management) https://canvas.uw.edu/courses/1139059/assignments/3676474	due by 11:59pm
Thu Apr 6, 2017	■ 4/6/2017 Recommended Resources (A Nuclear Plant Employee with Exposure to Mixed Vapors - Priya Motz) https://canvas.uw.edu/courses/1139059/assignments/3676343	due by 11:59pm
	■ 4/6/2017 Required Reading and Activities (Resident Didactic Series - Responsible Authorship and Publication) https://canvas.uw.edu/courses/1139059/assignments/3676477	due by 11:59pm
Thu Apr 13, 2017	■ 4/13/2017 Recommended Resources (A Maintenance Supervisor with Anhydrous Ammonia Exposure - Esi Nkyekyer) https://canvas.uw.edu/courses/1139059/assignments/3676396	due by 11:59pm
	■ 4/13/2017 Required Reading and Activities (Resident Didactic Series - Research Misconduct) https://canvas.uw.edu/courses/1139059/assignments/3676478	due by 11:59pm
Thu Apr 20, 2017	■ 4/20/2017 3/30/2017 Required Reading and Activities (Resident Didactic Series - Data Acquisition, Management, Sharing and Ownership) https://canvas.uw.edu/courses/1139059/assignments/3676481	due by 11:59pm
	■ 4/20/2017 Recommended Resources (A Public Pool Manager with Exposure to Chlorine Gas, Chloramines and other Respiratory Irritants - Eric Barton) https://canvas.uw.edu/courses/1139059/assignments/3676409	due by 11:59pm
	■ 4/27/2017 Recommended Resources (A Nurse with Phenol Exposure - Priya	

Thu Apr 27, 2017	Motz (https://canvas.uw.edu/courses/1139059/assignments/3676441)	due by 11:59pm
	5i 4/27/2017 No Resident Didactic Series (https://canvas.uw.edu/courses/1139059/assignments/3676483)	due by 11:59pm
Thu May 4, 2017	5i 5/4/2017 Recommended Resources (A Cabinet Maker with Exposure to Wood Dusts - Esi Nkyekyer) (https://canvas.uw.edu/courses/1139059/assignments/3676442)	due by 11:59pm
	5i 5/4/2017 Required Reading and Activities (Resident Didactic Series - Peer Review and Publication Practices) (https://canvas.uw.edu/courses/1139059/assignments/3676485)	due by 11:59pm
Thu May 11, 2017	5i 5/11/2017 Recommended Resources A Case of Hip Replacement Related Chromate/Cobalt Exposure - Demitris Haldeos) (https://canvas.uw.edu/courses/1139059/assignments/3676443)	due by 11:59pm
	5i 5/11/2017 Resident Didactic Series - Health Services Management Board Review (Esi Nkyekyer) (https://canvas.uw.edu/courses/1139059/assignments/3676494)	due by 11:59pm
Thu May 18, 2017	5i 5/18/2017 Recommended Resources (An Asbestos Abatement Worker with Exposure to Asbestos - Esi Nkyekyer) (https://canvas.uw.edu/courses/1139059/assignments/3676444)	due by 11:59pm
	5i 5/18/2017 Resident Didactic Series - Emergency Preparedness and Management Board Review (Esi Nkyekyer) (https://canvas.uw.edu/courses/1139059/assignments/3676495)	due by 11:59pm
Thu May 25, 2017	5i 5/25/2017 Resident Didactic Series - Emergency Preparedness and Management Board Review (Esi Nkyekyer) (https://canvas.uw.edu/courses/1139059/assignments/3676496)	due by 11:59pm
	5i 5/25/2017 Recommended Resources (An Oncology Pharmacy Technician with Exposure to Anti-Neoplastic Agents - Eric Barton) (https://canvas.uw.edu/courses/1139059/assignments/3676445)	due by 11:59pm
Thu Jun 1, 2017	5i 6/1/2017 Recommended Resources (A Nurse with Exposure to Nitrile Gloves and Bacitracin - Eric Barton) (https://canvas.uw.edu/courses/1139059/assignments/3676446)	due by 11:59pm
	5i 6/1/2017 Resident Didactic Series - Administrative Time (Debra Cherry) (https://canvas.uw.edu/courses/1139059/assignments/3676497)	due by 11:59pm