

DATE	TIME	LOCATION	MODULE	CLASS HRS
Jan 15	18:00-19:50	UCLA: CHS 41-268	Journal Club/Research Seminar: TBD	2
Jan 29	18:00-19:50	UCLA, CHS 41-268 (UCI trainees join by Zoom)	OHS Case Study: TBD	2
Feb 12	18:00-19:50	UCLA: CHS 41-268 UCI: Conference Room 158	Journal Club/Research Seminar: TBD	2
Feb 19	18:00-21:00 (includes free dinner at 6 p.m.)	UCLA: Carnesale Commons (UCI trainees join in person)	SCERC / COEH Annual Meeting: Keynote Address by Dr. Meshkati Najmedin from USC, “ The Fukushima nuclear plant disaster ”	3
March 1	9:00-15:00	UCI: Theory Office Location (bus 7:45 for UCLA trainees)	Clinical Case Conference Workshop at UC Irvine Occupational Health Clinic	6
March 12	18:00-19:50	UCLA, CHS 41-268 (UCI trainees join by Zoom)	OHS Case Study: TBD	2

Total hours: 17. Minimum attendance for S grade (2 units credit): 14 hours

COURSE WEBSITE: <https://ccl.e.ucla.edu/course/view/19W-ENVHLT230B-1>
LOGISTICS: scerc (Ani Adzhemyan), erc@ph.ucla.edu, (310) 206-2304, CHS 61-279
COURSE DIRECTOR: Dr. Niklas Krause, niklaskrause@ucla.edu, (310) 825-2079, CHS 56-071B
TEACHING ASSISTANT: Dr. Oscar Arias, oarias@ucla.edu, (310) 825-0709, CHS 56-071C

COURSE LEARNING OBJECTIVES:

This is a professionally oriented series of three courses (EHS 230 A-C) offered throughout the academic year designed to provide interactive training in interdisciplinary occupational health and safety practice. While the specific topics vary by course, year, and availability of worksites or patients, the general course objectives and methods described below apply to all courses (A, B, and C).

The overall objective of this course is to prepare students from various occupational health-related academic programs for their future professional roles that typically require assumption of responsibilities outside one’s area of academic training or interdisciplinary collaboration with professionals and stakeholders from other disciplines or training backgrounds. The goal of this course is to provide students with a sound understanding of the interdisciplinary occupational health and safety practice, its contributing specialties and underlying principles, and opportunities to develop, communicate, and practice interdisciplinary OSH skills in academic, clinical and workplace settings.

This course sequence is designed to provide consistent interdisciplinary training in occupational health practice for graduate and post-graduate students enrolled in academic programs that train professionals in Industrial Hygiene, Occupational and Environmental Health Nursing, and Occupational Medicine. The course is also open for students from allied disciplines such as occupational epidemiology, occupational health psychology, ergonomics etc. SCERC trainees in these programs getting MS, MSN, MPH, DPH, or PHD degrees are required to take this course for credit in each quarter they receive NIOSH/ERC support. Other students in these programs are encouraged to enroll as well. Students are expected to enroll in this course during each quarter of their academic training and to progress from novice to proficient in selected interdisciplinary competencies in occupational health practice.

The specific interdisciplinary learning objectives of these three courses are:

1. Understand the roles, contributions, and responsibilities of occupational medicine physicians, occupational health nurses, industrial hygienists, and occupational safety professionals in the interdisciplinary practice of occupational health and safety.
2. Recognize selected occupational health and safety hazards through review of reference material, direct observation of workplaces and workers, and interaction with employees and their supervisors.
3. Interact with health and safety professionals and trainees from different disciplines and to share perspectives, resources, and common practice methodologies.
4. Communicate effectively, using oral and written formats, about occupational health and safety issues, work-related injury, disease, disability, and related research, scientific evidence, and professional and regulatory standards across academic disciplines or professional boundaries.
5. Build open and supportive professional and personal relationships with trainees and faculty from your own and other disciplines that meet ethical standards and are conducive to collaboration and mutual learning.
6. Develop an appreciation of the importance of life-long learning, continued education, and the contributions made to occupational health and safety by different disciplines and various stakeholders.

COURSE REQUIREMENTS:

- Attendance in all course modules (minimum 80% of listed contact hours)
- Certificate of completion of online HIPAA training (due Sept 15, 2017)
- Completion of assigned readings
- Completion of assignments on time
- Completion of written course evaluations at the end of each course session/module
- Completion of quarterly competency self-evaluation questionnaire (TBD)
- Completion of online FSPH course evaluation at the end of each quarter
- Active participation in exercises, small group work, student presentations / inter-disciplinary peer-teaching, worksite observations, case conferences, and discussions.

First year students receive assignments to review and summarize journal articles and other background materials addressing fundamental issues in occupational health and safety. More *advanced students* (second year master and 2+ year doctoral students and occupational medicine residents) are expected to actively engage in peer-teaching activities (e.g. presenting own research or protocol, critique journal articles and lead discussion in journal club/seminar, write journal article review, demonstrate tools for exposure assessments at worksite visits, facilitate a clinical case evaluation, or present on selected topics assigned by the course director). A minimum of two presentations per year is required for all students.

Online Human Subject Training Incl. HIPAA Training: All students and faculty need to understand that the federal HIPAA law protects the privacy of patient's personal and health information in both physical and electronic form and specifies rights of patients to approve access and/or use of their medical information. This free 4-hour online training is a prerequisite for participation in the course Clinical Case Conferences. The HIPAA training is available at UCLA's training website <http://erc.ucla.edu/ced.php> . All students need to submit their certificate of completion to Ani Adzhemyan (e-mail: erc@ph.ucla.edu , phone: (310) 206-2304 prior to attending their first Clinical Case Conference.

COURSE GRADING (% of TOTAL of S/U GRADE):

1. Student's active participation in small group work and presentations of results (33%).
2. Presentations (33%)
 - a. *First year students*: Presentation of scientific, regulatory or other background material.
 - b. *Advanced returning students*: presentation of own research projects; peer teaching of occupational exposure assessment methods, observational tools, clinical investigations, administrative and engineering controls, injury and illness prevention programs and other programs used in the prevention and management of occupational injuries and diseases (33%).
3. Attendance and active participation in all course modules (34%).

Note: Students enrolled in this class are expected to attend all classes. Students who are missing a class for any reason need to e-mail the course director Dr. Krause (niklaskrause@ucla.edu), cc Dr. Arias (oarias@ucla.edu) and cc Brenda Diaz (brendiaz@ucla.edu) before class stating the reason. Only students who have been excused in writing by the course director (e-mail from TA Dr. Arias) are eligible for a satisfactory grade. Excused class hours count towards the maximum of twenty percent of miss hours. Students who miss more than 20% of class hours need to contact the course director for make-up assignment or attend approved CE classes. CE classes can substitute for a maximum of 30% of class hours; a

minimum of 50% class participation is required for all students. If students miss class for medical reasons, they need to inform the course director within 24 hours of the scheduled class, and are still required to attend a minimum of 50% course hours in order to receive a satisfactory grade.

In cases of medical emergencies or if working over 50% of time, the student may request a reduction of the minimum class attendance from 80% to 50% from the course director. Such requests should be made per e-mail to the course director before a missed class and no later than 48 hours after the class with cc to Brenda Diaz (brendiaz@ucla.edu) who keeps attendance records. However, all students need to attend at least 50% of the EHS 230 class hours and contribute to the class as outlined in the syllabus.

COURSE READINGS:

Reading assignments for all students include journal articles, regulatory documents, descriptions and instructions for instruments and their accuracy used in worksite observations, clinical case histories, etc; assignments vary by course module and topic. Assignments are posted on the course website, students need to check before class.

Recommended Textbooks for Introduction to the Field and as Basic Reference:

(1) *Textbook: **Occupational and Environmental Health, Sixth Edition***, by Barry S. Levi, David H. Wegman, Sherry L. Baron, Rosemary K. Sokas, 2011, ISBN 9780-0-19-539788-8, Oxford University Press, New York, New York. This textbook provides an introduction to the context of occupational health, gives an overview of the most common occupational hazards and disease groups with typical examples, and describes the role of epidemiology and other public health fields in the recognition, assessment and prevention of work-related disease and injury. **Good introductory reference for all occupational health disciplines. An electronic copy can be downloaded for free from the internet.**

(2) *Textbook: **Current Occupational and Environmental Medicine, Fourth Edition***, by Joseph LaDou, 2007, ISBN 9780071443135, The McGraw Hill Companies. Complete, yet concise, this clinically focused guide offers an overview of common occupational and environmental illnesses, covering their diagnosis and treatment-plus preventive and remedial measures in the workplace and community. Practical format and emphasis on fundamental topics.

(3) *Textbook: **Fundamentals of Occupational and Environmental Health Nursing: AAOHN Core Curriculum, Fourth Edition***, Pensacola, FL: American Association of Occupational Health Nurses, 2014, ISBN: 978-0-9848861-2-8, Moore, P.V., & Moore, R. L. (Eds.). A comprehensive overview of occupational and environmental health nursing, the 4th edition updates and expands common core knowledge in Occupational Health Nursing practice. New underlying concepts throughout the book incorporate evidenced-based practice and a global perspective. Practical case studies are included to reflect specific examples of application to practice. This new version has is presented in narrative format which allows for more in-depth discussion of critical topics. This text serves as a vital resource for a variety of readers, including beginning-level Occupational Health Nurses (OHNs), experienced OHNs seeking a “consult” on a particular topic, OHNs studying for the occupational health nursing and other certification exams, faculty searching for authoritative source information, and inter-professional colleagues seeking information on the wealth of topics included in the 4th edition.

(4) *Textbook: **Fundamentals of Industrial Hygiene, Sixth Edition***, by Barbara Plog et al., 2012, ISBN 0879123125, 978-0879123123. Contains a broad discussion of workplace hazards, control procedures, government regulations, and environmental issues.

(5) *Textbook: Epidemiology: an introduction, by KJ Rothman, 2nd edition, 2012, ISBN 0199754551, 978-0199754557.* Provides an introduction to basic epidemiological concepts applied in the scientific literature of several occupational health-related fields.

Observational exposure assessment tools, such as dosimeters, checklists, etc., will also be made available depending on topic or worksite.

STUDENTS WITH SPECIAL NEEDS:

Students needing academic accommodations based on a disability should contact the Center for Accessible Education (CAE) at [\(310\)825-1501](tel:3108251501) or in person at Murphy Hall A255. When possible, students should contact the CAE within the first two weeks of the term as reasonable notice is needed to coordinate accommodations. For more information visit www.cae.ucla.edu."

CE Makeup Courses Enrollment Policy

As an enrolled EHS 230 B student you are expected to attend at least to 80% of the contact hours. You are allowed to make-up for a maximum of 30% of scheduled class hours with CE courses approved by the course director. In general, any missed time in excess of 20% should be made up through attendance of interdisciplinary CE-courses that are pre-approved and subsidized by the ERC (eligible CE courses are listed in the syllabus). However, you have to attend at least 50% of the regular EHS 230 class hours each quarter to receive a satisfactory grade. The same minimum applies for students who miss class for medical reasons. Note that eligibility for continued NIOSH funding is contingent on a satisfactory grade. Students who cannot get a satisfactory grade because of prolonged absence due to medical illness may continue to qualify for NIOSH financial support.

Fees and Refunds

The SCERC will pay for most or even all of the CE course fees. Several makeup courses are no cost and for others, the students will pay a reduced fee that ranges from \$15 to \$35. This amount includes the cost of materials and is non-refundable unless the course is cancelled by the SCERC.

Seating Availability

SCERC student enrollment depends on seating availability in the class.

Enrollment Deadline

The enrollment deadline for each in-person course is 10 days before the course start date. The enrollment deadline for each webinar is 3 days before the webinar begins. In the particular case a student needs to enroll in a course after the end of the academic quarter, he/she needs to directly contact the course director for approval.

Registration Information

Students should call Ani Adzhemyan at 310-206-2304 to enroll in makeup courses, or may send an email to her erc@ph.ucla.edu.

Requirements for receiving EHS230 course credit

In order to receive credit for any CE course hours towards the EHS230 course students need to:

- (1) e-mail Dr. Arias cc Dr. Krause a copy of their CE course registration (before the course starts)
- (2) e-mail Dr. Arias cc Dr. Krause a **certificate of completion** of the CE course within a week after they completed the course together with information of the name and duration of the course

to the following e-mail addresses: oarias@ucla.edu and niklaskrause@ucla.edu.

In general, all CE courses must be completed by the finals week. However, students may request from the course director an extension of this deadline if necessary. Such requests need to be received before the end of the finals week.

Webinars						
Class	Location	Start Date	End Date	Hours	Times	Reduced Fees
Ergo Online Session	Online	01/8/19	01/8/19	1	11am - noon	\$0
Ergo Online Session	Online	02/12/19	02/12/19	1	11am - noon	\$0
Ergo Online Session	Online	03/12/19	03/12/19	1	11am - noon	\$0

In-Person Courses						
Class	Location	Start Date	End Date	Hours	Times	Reduced Fees
Safety Management	Los Angeles	03/04/19	03/04/19	8	8am -5pm	\$30
Risk Management	Los Angeles	03/05/19	03/05/19	8	8am -5pm	\$30
Fleet & Vehicle Safety	Los Angeles	03/06/19	03/06/19	4	8 am- noon	\$15
Workers Compensation	Los Angeles	03/06/19	03/06/19	4	1pm-5pm	\$15
Train-the-Trainer	UCLA	03/25/19	03/26/19	16	8am-5pm	\$30
Incident Investigation & Reporting	UCLA	03/27/19	03/27/19	8	8am-5pm	\$30
Injury & Illness Prevention (IIPP)	UCLA	03/28/19	03/28/19	8	8am-5pm	\$30