

DATE	TIME	LOCATION	MODULE	CLASS HRS
Sept. 17	8:15-16:15	UCLA, Carnesale Commons (UCI trainees join in person)	Interdisciplinary Fall Workshop Day 1	8
Sept. 18	9:00-15:00	UCI, Theory Office Location (bus 7:45 for UCLA trainees)	Interdisciplinary Fall Workshop Day (Clinical Case Conference at UC Irvine)	6
Oct. 2	18:00-19:50	UCLA, CHS 41-268	Journal Club/Research Seminar	2
Oct. 8	10:00-12:00	Online*	OHS Professional Ethics Webinar I	2*
Oct. 11	10:00-12:00	Online*	OHS Professional Ethics Webinar II	2*
Oct. 16	18:00-19:50	UCLA, CHS 41-268	Journal Club/Research Seminar	2
Oct. 30	18:00-19:50	UCLA, CHS 41-268 (UCI trainees join by Zoom)	OHS Case Studies (Student Presenters TBD)	2
Nov. 13	18:00-19:50	UCLA, CHS 41-268	Journal Club/Research Seminar	2
Nov. 27	18:00-19:50	UCLA, CHS 41-268 (UCI trainees join by Zoom)	OHS Case Studies (Student Presenters TBD)	2

Total Hrs: 24-28* hrs Minimum hours for S grade (2 units credit): 19-22* hrs
 *Students who have already taken the Ethics Webinars will have less total and minimum hours

COURSE WEBSITE: <https://ccle.ucla.edu/course/view/18F-ENVHLT230A-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

PREVIEW OF MEETING TIMES FOR WINTER 2019:

For students who need to harmonize outside work schedules with EHS230 B Winter Schedule, here are some preliminary class times (incomplete and still subject to change!):

Jan 15: first class meeting Tuesday 18:00-19:50 Journal Club / Research Seminar

Jan 29: Tuesday 18:00-19:50 OSH Case Studies (with Zoom for UCI trainees)

Feb 12: Tuesday 18:00-19:50 Journal Club / Research Seminar

Feb TBD: 18:00-21:00 SCERC/COEH Annual Meeting (incl. dinner)

Mar 1: Friday 9:00-15:00 at UC Irvine: Clinical Case Conference

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 80% of course modules
- Certificate of completion of online HIPAA training
- Completion of assigned readings
- Submission of assignments on time
- Completion of quarterly competency self-evaluation questionnaire (TBD)
- Completion of online FSPH course evaluation at the end of each quarter and other class evaluations if requested
- 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, present an OSH practice case study, 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 module 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):

Students are expected to actively participate and contribute to class as outlined in the syllabus. Students who miss more than 20% of class hours need to contact the course director for make-up assignment before they miss class or attend approved CE classes. CE classes may substitute for up to a maximum of 30% of the scheduled class hours, i.e. all students must attend at least 50% of scheduled class hours. In cases of medical emergencies or of working over 50% of time while at the same time having a full course schedule, 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. However, all students need to attend at least 50% of the EHS 230 scheduled class hours and contribute to the class as outlined in the syllabus in order to get a satisfactory grade.

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 the site 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 is presented in narrative format which allows for more in-depth discussion of critical topics. 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 or in person at Murphy Hall A255. When possible, students should contact the CAE within the first two weeks of the quarter 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 C student you are expected to participate in at least 80% of the total class hours and you need to attend at least 50% of scheduled class contact hours in person. You are allowed to make-up for a maximum of 30% of total 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 usually subsidized by the ERC (eligible CE courses are listed at the end of this syllabus). **However, you always have to attend at least 50% of the regular total 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 financial support 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.

CE Fees and Refunds

The SCERC will pay for most or even all of the CE course fees. Several makeup courses are no cost, for some courses 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.

CE Seating Availability

SCERC student enrollment depends on seating availability in the class. Some CE courses may be cancelled due to low enrollment. Therefore students should enroll and participate in CE make-up courses early in the quarter.

CE Enrollment Deadline

The enrollment deadline for each in-person course is **10 days before the course start date** but you are encouraged to enroll asap. The enrollment deadline for each webinar is 3 days before the webinar begins. In case a student needs to enroll in a course after the end of the academic quarter, he/she needs to directly contact the EHS 230 course director for prior approval.

CE Course Credit

In order to get credit for a makeup course, you are required to attend at least 90% of the course. Partial attendance of make-up courses is not permitted even if you need only fewer hours for meeting minimum EHS course hours. For those courses that include a test, you need to get a minimum score of 70%.

CE 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. **Please check with Ani if a scheduled course is actually being offered, some courses are cancelled due to low registration!**

Requirements for receiving EHS230 course credit for CE courses

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 finals week.

Webinars						
Class	Location	Start Date	End Date	Hours	Times	Reduced Fees
Ergonomics Online	Online	10/09	10/09	1	11am- 12 m	\$0
Ethics Webinar*	Online	10/TBD	10/TBD	2	10am- 12 m	\$0
Ethics Webinar*	Online	10/TBD	10/TBD	2	10am- 12 m	\$0
Ergonomics Online	Online	11/13	11/13	1	11am- 12 m	\$0
Ergonomics Online	Online	12/11	12/11	1	11am- 12 m	\$0

In-Person Courses						
Class	Location	Start Date	End Date	Hours	Times	Reduced Fees
Safety Management	Los Angeles	10/16	10/16	8	8 am – 12 m 1 pm – 5 pm	\$30
Risk Management	Los Angeles	10/17	10/17	8	8 am – 12 m 1 pm – 5 pm	\$15
Fleet & Vehicle Safety	Los Angeles	10/18	10/18	4	8 am – 12 m	\$15
Workers Compensation	Los Angeles	10/18	10/18	4	1 pm – 5 pm	\$15
Mental Health Symposium	UCLA	11/07	11/07	8	8 am – 12 m 1 pm – 5 pm	\$30

*This class is a required course and can only be used as a makeup if you have taken it once already.