Mel and Enid Zuckerman College of Public Health  
University of Arizona  

SYLLABUS  
Environmental Health Sciences Seminar CPH 696r  
Fall 2012  

Time:  Wednesday, Noon to 1 PM  

Location:  Drachman Hall Rooms 114 and 118 on varying Wednesdays (see schedule)  

Instructor:  Phil Harber and Mary Kay O'Rourke  

Office Hours:  by appointment by e-mail <mkor@email.arizona.edu>  

Teaching Assistant:  N/A  

TA Office Hours:  N/A  

Course Description:  The seminar will promote critical thinking among students regarding current topics in environmental health and industrial hygiene. Meetings will include critical review of topics from the literature, student presentations, presentations by outside speakers and field trips related to Environmental Health Sciences.  

Prerequisites:  NONE  

Objectives:  This course will promote critical thinking and evaluation of current topics in environmental health and industrial hygiene. Written and verbal materials will be evaluated by the student to evaluate timely and pertinent topics in Environmental and Occupational health. Further, the seminar will provide networking opportunities for prospective employers, colleagues, students and faculty.  

EOH and MPH Competencies:  

- Recognize and classify the major types of chemical, physical and biological exposure agents capable of inducing disease in the public.  
- Utilize basic strategies for evaluating or measuring exposure to chemical, physical and biological agents.  
- Identify control methods for reducing worker or public exposures to acceptable levels.  
- Describe factors which influence the behavior of aerosols and their ultimate fate including deposition in the respiratory system.  
- Utilize appropriate technical approaches for conducting environmental and industrial assessments.  
- Utilize various sources of information to identify chemicals commonly employed in industry and their toxicity.  
- Describe the base mechanism of toxicity and potential health effects and diseases caused by various chemical agents.  
- Identify the steps involved in environmental and occupational health research  
- Defining, assessing, and understanding the health status of population, determinants of health and illness, factors contributing to health promotion and disease prevention, and factors influencing the use of health services  
- Understanding research methods in all basic public health sciences  
- Defines a problem  
- Determines appropriate uses and limitations of data  
- Applying the basic public health sciences including behavioral and social sciences, biostatistics, epidemiology, environmental public health, and prevention of chronic and infectious diseases and injuries
Notes: No notes are provided.

Recommended Texts/Readings: All course materials will be available through D2L at least 1 week prior to seminar meetings.

Course Requirements: Read distributed material and be prepared to discuss it. Attend the seminar and ask the speakers insightful questions. Make professional contacts.

Grading/Student Evaluation is based on attendance and participation. Enrolled students must attend 10 seminar meetings during the semester to pass.

Class Attendance/Participation: See above: failure to attend at least 10 seminars means failure of the course. All holidays or special events observed by organized religions will be honored for those students who show affiliation with that particular religion. Absences pre-approved by the UA Dean of Students (or Dean’s designee will be honored.

Course Schedule: (see attached)

Required Statements:

Communications: You are responsible for reading emails sent to your UA account from your professor and the announcements that are placed on the course web site. Information about readings, news events, your grades, assignments and other course related topics will be communicated to you with these electronic methods. The official policy can be found at: http://www.registrar.arizona.edu/emailpolicy.htm

Disability Accommodation: If you anticipate issues related to the format or requirements of this course, please meet with me. I would like us to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with Disability Resources (621-3268; drc.arizona.edu) and notify me of your eligibility for reasonable accommodations. We can then plan how best to coordinate your accommodations. The official policy can be found at: http://catalog.arizona.edu/2008%2D09/policies/disability.htm

Academic Integrity: All UA students are responsible for upholding the University of Arizona Code of Academic Integrity, available through the office of the Dean of Students and online: The official policy found at: http://deanofstudents.arizona.edu/codeofacademicintegrity

Classroom Behavior: (Statement of expected behavior and respectful exchange of ideas)
Students are expected to be familiar with the UA Policy on Disruptive Behavior in an Instructional Setting found at http://web.arizona.edu/~policy/disruptive.pdf and the Policy on Threatening Behavior by Students found at http://web.arizona.edu/~policy/threatening.pdf

Grievance Policy: Should a student feel he or she has been treated unfairly, there are a number of resources available. With few exceptions, students should first attempt to resolve difficulties informally by bringing those concerns directly to the person responsible for the action, or with the student's graduate advisor, Assistant Dean for Student and Alumni Affairs, department head, or the immediate supervisor of the person responsible for the action. If the problem cannot be resolved informally, the student may file a formal grievance using the Graduate College Grievance Policy found at http://grad.arizona.edu/catalog/policies/academic-policies/grievance-policy

Grade Appeal Policy: http://catalog.arizona.edu/2008%2D09/policies/gradappeal.htm

Syllabus Changes: Information contained in the course syllabus, other than the grade and absence policies, may be subject to change with reasonable advance notice, as deemed appropriate.
Telephone and Computer Use: **You are not allowed to have your computer on during class.** Turn your cell phones to silent or vibrate in order to not disrupt the class and disturb your fellow students and professor.

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**CPH 696r EHS Seminar integrated with MEZCOPH College-Wide Seminar**

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<tr>
<th>Date</th>
<th>Division</th>
<th>Room</th>
<th>Speaker &amp; Affiliation</th>
<th>Title</th>
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| Aug. 29| A-118    |      | **Randy Rogers-Gardner**  
Safety-Compliance  
Environmental, Health and Safety  
Raytheon  
Tucson, AZ | **ASSE in the workplace and interest in a student chapter** |
| Sept. 5 | A-118    |      | **Jeff Burgess, MD, MS, MPH**  
Professor and Division Director  
Division of Community Environment and Policy  
Environmental Health Sciences  
Zuckerman College of Public Health  
University of Arizona | **“A Diverse Research Career in EHS”** |
| Sept. 12 | CEP      | A-112| **Daniel Derksen, M.D.**  
Professor and Section Chair,  
Public Health Policy and Management  
Division of Community Environment and Policy  
Zuckerman College of Public Health  
University of Arizona | **“The Affordable Care Act: Public Health, Research and Policy Implications and Opportunities”** |
| Sept. 19| A-118    |      | **Robin Harris, PhD**  
Professor and Division Director  
Division of Epidemiology and Biostatistics  
Zuckerman College of Public Health  
University of Arizona | **“A Binational Community Study of Arsenic Exposure”** |
| Sept. 26| A-118    |      | **Clark Lantz, PhD**  
Professor, Cellular and Molecular Medicine  
College of Medicine  
University of Arizona | **“TBA”** |
| Oct. 3  | CHEE     | A-118| **Armin Sorooshian, PhD**  
Assistant Professor  
Chemical and Environmental Engineering  
University of Arizona | **“Atmospheric Aerosols: Observations from the surface, from airplanes, and from space”** |
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<tr>
<th>Date</th>
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<th>Speaker Name, Title</th>
<th>Institution</th>
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| Oct. 10 | EPI/Biostat| A-114| John Kittelson, PhD | John Kittelson, PhD  
Associate Professor  
Biostatistics and Informatics  
University of Colorado Denver  
Colorado School of Public Health | “TBA” |
| Oct. 17 | A-118      |      | Kelly Reynolds, PhD | Kelly Reynolds, PhD  
Associate Professor  
Division of Community Environment and Policy  
Environmental Health Sciences  
Zuckerman College of Public Health  
University of Arizona | “Effects of a Hygiene Intervention in Peri-Urban Lima, Peru” |
| Oct. 24 | A-118      |      | Robert Canales, PhD | Robert Canales, PhD  
Assistant Professor  
Division of Community Environment and Policy  
Environmental Health Sciences  
Zuckerman College of Public Health  
University of Arizona | “TBA” |
| Oct. 31 |            |      | Seminar Cancelled for ISES |                              | Overall meeting.  
Supplemental training unless attending |
| Nov. 7  | A-118      |      | Julia Rosen, MS, CIH | Julia Rosen, MS, CIH  
Risk Management  
University of Arizona | “TBA” |
| Nov. 14 | HSP        | A-114| Dr. Charles E. Drum, MPA, JD, PhD | Dr. Charles E. Drum, MPA, JD, PhD  
Director, Institute on Disability  
Professor, Health Policy & Management  
University of New Hampshire | “TBA” |
| Nov. 21 | A-118      |      | Kasey Ernst, PhD | Kasey Ernst, PhD  
Assistant Professor  
Division of Epidemiology and Biostatistics  
Zuckerman College of Public Health  
University of Arizona | “TBA” |
| Nov. 28 | A-118      |      | Hilary McClafferty MD FAAP | Hilary McClafferty MD FAAP  
Assistant Fellowship Director  
Director Pediatric Integrative Medicine in Residency  
Arizona Center for Integrative Medicine  
Clinical Assistant Professor  
Department of Medicine and Pediatrics  
University of Arizona. Tucson | “Environmental Medicine: Educational Challenges and Research Opportunities” |
| Dec. 5  | A-118      |      | Phil Harber, MD, MPH | Phil Harber, MD, MPH  
Professor and Division Director  
Division of Community Environment and Policy  
Environmental Health Sciences  
Zuckerman College of Public Health  
University of Arizona | “Research about Skills and Activities of Occupational Health Professionals” |