

Environmental Health 596 / Nursing 580
Current Issues in Occupational and Environmental Medicine
Winter Quarter 2014

Instructor

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Course Details

Location: 4225 Roosevelt Way NE, Room 2228

Time: Thursday 3:30 PM - 5:20 PM

Prerequisites: OEM resident/fellow, environmental health graduate student, occupational health nursing student, or permission of instructor

Course Description

This 2-credit graduate-level course uses a lecture/seminar/discussion format. An 8 to 10-page paper, some short, focused readings, a few small homework assignments, and classroom participation will be required. There are no mid-term or final examinations. Topics covered include: 1) respiratory system structure and function including imaging and lung function measurement (at rest and exercise) and interpretation; 2) occupational and environmental obstructive airways disease including asthma, RADS, vocal cord dysfunction and COPD; 3) occupational and environmental interstitial lung disease including pneumoconiosis (especially asbestos- and silica-related disease) and granulomatous conditions; 4) lung cancer due to occupational exposures; 5) exposure measurement and control; 6) respiratory impairment and disability; 7) indoor and outdoor air pollution.

Requirements and Grading Policy

Students will be required to: 1) write a short paper (approximately 10 pages) on a topic of the student's choosing, after discussion with the instructor; 2) complete homework assignments based on classroom material and readings; 3) participate in classroom discussion and attend class regularly.

Grading will be based on: paper (40%); homework (30%); participation/attendance (30%)

Readings Description

Readings on upcoming class topics will be made available on the course website

Selected readings from Occupational disorders of the lung: recognition, management and prevention, Hendrick, *et al.* (2002) will also be assigned.

DATE	TOPIC(S)	INSTRUCTOR	READINGS
Jan 9	Semiahmoo meeting - No class		
Jan 16	Introduction Lung function testing I	S. Vedal	Making Sense of Lung Function Tests; Mazzone 2003
Jan 23	Airways disease I: asthma / RADS	S. Vedal	Banks 2001; Tarlo 2003
Jan 30	Airways disease II: COPD, rhinitis & vocal cord dysfunction	S. Vedal	Shusterman 2002 & 2003
Feb 6	Lung function testing II ILO classification	S. Vedal	Phan 2001; Miller 2007; Janower 2004
Feb 13	Asbestos-related disease and other pneumoconiosis	S. Vedal	ATS 2004

Feb 20	Other diffuse parenchymal lung disease Lung imaging	S. Vedal	Glazer 2002; Maier 2002
Feb 27	Lung cancer	S. Vedal	McCunney 2006; Miettinen 2001; Lung Ca nonsmokers 2006; Doll 2007
Mar 6	Cardiopulmonary exercise testing Impairment and disability	S. Vedal	
Mar 13	Student presentations	students	

To request academic accommodations due to a disability, please contact Disabled Student Services, 448 Schmitz (206) 543-8924 (V/TTY). If you have a letter from Disabled Student Services indicating that you have a disability that requires academic accommodations, please present the letter to the instructor in order to discuss the accommodations you might need in this class.