PHS/Env St 502: Air Pollution and Human Health

3 Credits

Semester I, Fall 2011 Schedule

Tu Sept 6  Orientation -- format, grading, books, etc.
Th Sept 8  History of air pollution problem -- The Disasters
Tu Sept 13 Risk Assessment (Concepts of Health and Disease: Toxicology)
Th Sept 15 Lungs--Anatomy, Physiology, Pathology, Defenses + Occupational Air Pollutants (G. dePico, Med)
Tu Sept 20 Epidemiology; Overview of Outdoor Air Pollutants
Th Sept 22 Asbestos (Dr. H. Anderson, DHS)
Tu Sept 27 Meteorology (P. Wang, Atmos. Oc. Sci)
Th Sept 29 Cigarette Smoking: Health Effects Studies
Tu Oct 4  Cigarette Smoking: Determinants (P. Remington, PHS)
Th Oct 6  Lead
Tu Oct 11 Asthma (C. Tomasallo, DHS)
Th Oct 13 Particulates (J. Schauer, Env.Chem)
Tu Oct 18 Sulfur Oxides
Th Oct 20 Ozone Health Effects
Tu Oct 25 EXAM I
Th Oct 27 Indoor Air Pollution Overview
Tu Nov 1  Energy

Th Nov 3 Global Climate Change (J Patz, PHS + Nelson)

Tu Nov 8  POPS + Woodburning

Th Nov 10 Indoor Air Investigations (J. Morrison, Safety)

Tu Nov 15 Indoor Air: Measurement & Walkthrough (D. Tompkins)

Th Nov 17 Ionizing Radiation

Tu Nov 22 EMF + Cellphones

Tu Nov 29 Mercury

Th Dec 1 Monitoring (M. Allen, DNR)

Tu Dec 6 Legislation, the Courts, Economics; the Automobile

Th Dec 8 Control Technology (S. Dunn, DNR)

Tu Dec 13 Clean Air Act (L. Eagan, DNR)

Th Dec 15 Exam II

Course notes and readings Learn@UW

5 page paper due on Dec. 15