PHS/Env St 502: Air Pollution and Human Health

3 Credits

Semester I, Fall 2019 Schedule.

Th Sept 5  Orientation -- format, grading, books: History of air pollution problem -- The Disasters

Tu Sept 10 Risk Assessment (Concepts of Health and Disease: Toxicology)

Th Sept 12 Epidemiology

Tu Sept 17 Lungs--Anatomy, Physiology, Pathology, Defenses + Occupational Air Pollutants (G. DoPico Med)

Th Sept 19 Mercury

Tu Sept 24 Lead (N. Stanton, SLH)

Th Sept 26 Cigarette Smoking: Health Effects Studies

Tu Oct 1 Cigarette Smoking: Indoor Air (P. Remington, PHS)

Th Oct 3 Vaping, Marijuana, Tobacco Free Campus, Survey of Air Pollutants

Tu Oct 8 Particulates (J. Schauer, Env. Chem)

Th Oct 10 Sox + Ambient Death

Tu Oct 15 Ozone Hole(s) + Health Effects of Ground level Ozone

Th Oct 17 Asbestos (H. Anderson, PHS)

Tu Oct 22 EXAM I

Th Oct 24 Ionizing Radiation
Tu Oct 29  EMF + Cellphones

Th Oct 31  Global Climate Change (J Patz, PHS + Nelson)

Tu Nov 5   Movie: “Before the Flood” (Leo DiCaprio)

Th Nov 7   Indoor Air Pollution Overview

Tu Nov 12  Asthma (C. Tomasallo, DHS)

Th Nov 14  Indoor Air Investigations (J Morrison, UW-Health)

Tu Nov 19  Monitoring (J. Treutel, DNR)

Th Nov 21  Control Technology (S. Dunn, Alliant)

Tu Nov 26  3rd World Indoor Air Pollution (V. Limaye, EPA)

Tu Dec 3   Legislation, Courts, Ethics

Th Dec 5   Air Pollution Policy (D. Bizot, DNR)

Tu Dec 10  Exam II

Course notes and readings Learn@UW

5 page paper due on Dec. 10