ENVH 446 - Hazardous Waste and Public Health

Winter Quarter, 2018

Instructor: John C. Kissel, Ph.D.
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Office hours: To be arranged (drop-ins welcome except 2-3:30 MW)

Class Period: MW 3:30-4:50

Location: E-216

Description: Characterization of hazardous wastes and introduction to pertinent federal and state regulations. Discussion of significance of hazardous wastes and related facilities with respect to human and environmental health. Description of management options at post- and pre-generation stages. Supplemented with case studies.

Objectives: At conclusion of the course students should be able to: define hazardous waste; describe the primary provisions of RCRA and CERCLA; demonstrate familiarity with current hazardous waste management issues and jargon; recognize and interpret terminology used to quantitatively describe chemical exposure and risk; interpret the physical-chemical properties of individual chemicals with respect to their impact on fate, transport and human exposure; describe key epidemiological investigations of hazardous waste sites; state conditions under which exposure pathways are likely to be completed; describe technological approaches to waste destruction and containment; and contrast pre-generation, pre-release, and post-release management options.
Grading:
- Midterm: 30%
- Final: 30%
- Problem sets #1-6: 30%
- Participation: 10%

Text: No text. Notes, supplemental readings and other materials will be provided via Canvas.

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**Access and Accommodation** ([http://depts.washington.edu/uwdrs/faculty-resources/syllabus-statement/](http://depts.washington.edu/uwdrs/faculty-resources/syllabus-statement/)):

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If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (conditions include but not limited to; mental health, attention-related, learning, vision, hearing, physical or health impacts), you are welcome to contact DRS at 206-543-8924 or uwdrs@uw.edu or disability.uw.edu. DRS offers resources and coordinates reasonable accommodations for students with disabilities and/or temporary health conditions. Reasonable accommodations are established through an interactive process between you, your instructor(s) and DRS. It is the policy and practice of the University of Washington to create inclusive and accessible learning environments consistent with federal and state law.