

RISK ASSESSMENT FOR ENVIRONMENTAL HEALTH HAZARDS

SYLLABUS

Autumn Quarter, 2016

ENVH 577, PUBPOL 589, CEE 560

Elaine M. Faustman, PhD

Items to be discussed include:

1. Course Description
2. Class Schedule
3. Extra Credit Class Schedule
4. Description for Course Assignments
 - A. Memo to the Governor
 - B. Short Term Assays
 - C. Group Project Topics: Case Studies
5. Readings Table of Contents
6. Assignment and Reading Schedule

Risk Assessment
ENVH 577, PUBPOL 589, CEE 560
Autumn Quarter 2016
Tuesday/Thursday from 9:00am-10:20 AM
Room: More Hall (MOR) 234

<u>Date</u>	<u>Schedule</u>	<u>Session Leader</u>
September 29 th Thursday	Introduction Perceptions of Risk	Faustman
October 4 th Tuesday	Course Requirements – Review and Discussion Q & A with Rachel Shaffer Role of Non-Governmental Organizations (NGOs) Due: Choose short term essay to review Due: Review Risk Assessment Group Project Choices	Shaffer
October 6 th Thursday	Identification of Hazard I: Chronic Bioassay Due: Choose Risk Assessment Group Project	Faustman Shaffer
October 11 th Tuesday	Identification of Hazard II: Short Term and In Vitro Assays Assign Group Projects DUE: Short term essay assignment	Faustman
October 13 th Thursday	Ecological Risk Assessment: Practical Approaches to Ecosystems Assessment Lessons Learned from the U.S. EPA	Garry
October 18 th Tuesday	Identification of Hazard III: Epidemiological Principles	Faustman
October 20 th Thursday	Exposure Assessment	Faustman
October 25 th Tuesday	Quantitative Risk Characterization I: Dose Response Assessment and Extrapolation to Low Dose Can Risk Assessment modeling be used for predicting public health impacts? Opportunities for Probabilistic Risk Assessment Modeling	Faustman
October 27 th Thursday	Quantitative Risk Characterization II: Approaches for Evaluating Uncertainty and Variability for Public Health	Faustman
November 1 st Tuesday	Pharmaceutical Risk Assessment Approaches: Balancing Risk and Benefits in Patients	Sprugel
November 3 rd Thursday	Approaches for Microbial Risk Assessment of Zoonoses and Vectorborne Disease	Meschke

November 8 th Tuesday	Broadening our Concepts of Public & Environmental Health: Well-being, One Health and Sustainability Due: Quantitative Worksheet	Faustman
November 10 th Thursday	Case Studies in Risk Assessment: Issues in WA State	Whittaker Grimsted Laflamme
November 15 th Tuesday	Civil Action TCE Case Study: Clash of the Titans Science vs. Regulation in the Courtroom Due: Memo to the Governor	Lewandowski
November 17 th Thursday	Student Presentation	Faustman
November 22 nd Tuesday	Student Presentation	Faustman
November 24 th Thursday	Thanksgiving Holiday	
November 29 th Tuesday	Student Presentation	Faustman
December 1 st Thursday	Student Presentation	Faustman
December 6 th Tuesday	Putting Risk Assessment and Risk Management into Context: What have we learned? Need to learn? Thinking about Risk Management as Critical Infrastructure Due: Student Group Risk Assessment Project Papers	Faustman
December 8 th Thursday	Class Review	Shaffer
December 13 th Tuesday	Final Exam 10:30am-12:20, MORE Hall 234	

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