

Syllabus ESP 803

Fall 2009

Dr. Karen Chou

Mondays, 2:10PM – 5:00 PM, 273 Giltner Hall

Last updated: September 1, 2009

Lecture	Date	Activities
1	Wed, September 2, 2009	<ul style="list-style-type: none"> • Course objectives and approaches • Syllabus, assignments, and grading • The teaching/learning environment of the course • Scope of environmental management • Overview – Tools of environmental management • Goals of environmental management • Background survey
	September 3-11	Presentation preparation
2	September 14, 2009	<ul style="list-style-type: none"> • Students' presentations: Research projects or research interests (5 min presentation and 3 min questions/answers) • Hudson River Remediation, a case review (I) • Group Project Assignment
3	September 21, 2009	<ul style="list-style-type: none"> • Hudson River Remediation, a case review (II) • Framework of environmental health risk management • Types of toxicity information considered in toxicity assessment
	Friday September 25	Peer evaluation I, deadline 8 PM
4	September 28, 2009	<ul style="list-style-type: none"> • Group project progress report I, outlines, defining the problem (15 min each group) • Nature of scientific data, strength and limitations • Study design and assumptions in epidemiological and toxicity studies • Human health risk assessment of non-carcinogenic effects (I)
5	October 5, 2009	<ul style="list-style-type: none"> • Human health risk assessment of non-carcinogenic effects (II) • Human health risk assessment of carcinogenic effects (I)
6	October 12, 2009	<ul style="list-style-type: none"> • Quiz 1 • Human health risk assessment of carcinogenic effects (II) • Recap of toxicity assessment
	New lecture	<ul style="list-style-type: none"> • Human health risk assessment of developmental toxicity
7	October 19, 2009	<ul style="list-style-type: none"> • Exposure assessment • Ecological risk assessment
8	October 26, 2009	<ul style="list-style-type: none"> • Group project progress report II (10 min each group) • Ecological Criteria
9	November 2, 2009	<ul style="list-style-type: none"> • Quiz 2 • Livestock production, quality of life and the environment

		<ul style="list-style-type: none"> Balancing Animal Agriculture and Communities Physical and chemical environment associated with livestock production
	November 6, 2009	Peer evaluation II, deadline 8 PM
10	November 9, 2009	<ul style="list-style-type: none"> Life cycle assessment Risk Management Stakeholder Participation
11	November 16, 2009	<ul style="list-style-type: none"> Group project progress report III (10 min each group) History of USEPA Past achievements of environmental protection Case study – PBB incidence
12	November 23, 2009	<ul style="list-style-type: none"> Rough draft of group project report due Quiz 3 Environmental management systems ISO 14000 Series Third party certification Scope, barriers and limitations of regulation through environmental law
13	November 30, 2009	<ul style="list-style-type: none"> Emerging challenges in toxicity and risk assessment Emerging assessment models Toxicity assessment of nanomaterials
14	December 7, 2009	<ul style="list-style-type: none"> Group Project Final Presentation (30 min each) and Panel Discussion (15 min each)
	Thursday, December 10	Final written project report due, 11:59 PM
	Friday, December 11	Peer evaluation III, deadline 8 PM
	Monday, December 14	<ul style="list-style-type: none"> Final Exam 3:00-5:00 PM