

## **ESP 803 | Human and Ecological Health Assessment and Management**

Mondays 2:10 - 5:00 p.m.

273 Giltner Hall

*Open to all graduate students (3 credits)*

This course introduces students to the concepts and basic skills regarding risk assessment of human and ecological health used in environmental decision-making. The goal is to provide knowledge and skills necessary to critically evaluate environmental decisions in a multifaceted scientific, social, and global context. The course focus on the intellectual and conceptual basis of risk assessment, with emphasis on basic approaches in health risk assessment and uncertainties in the scientific information associated with toxicology, epidemiology and other field studies. The course also uses historical cases, institutional strategies and current environmental issues to illustrate the roles of human and ecological health, commerce, culture and other global factors in management decisions. Each student will participate in a group project to apply his/her in-depth disciplinary knowledge as a member of a multidisciplinary team to analyze, discuss and formulate positions related to an environmental health case. The group project also provides a platform for students to learn and practice interactive problem solving skills with multidisciplinary colleagues.

**Dr. Karen Chou**

**Animal Science**

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