

New Graduate Level Course: Spring 2006

ESP 804 - Environmental Applications and Analysis: Coupling Human and Natural Systems

Monday & Wednesday • 3:00-4:20pm • 273 Giltner Hall
Open to all graduate students

CASE BASED APPROACH TO UNDERSTANDING:

How do human and natural systems interact at global, national, and local scales? What are the consequences of these interactions? How can we assess the influence of natural and human systems on one another? Where are the opportunities for synergistic interactions between natural and human systems
- how do we maximize them?

This course will be co-taught by a team of instructors and invited speakers to provide an exciting multi-disciplinary perspective on topics such as:

- ✓ Ecological Influences on Human Systems
- ✓ Systems Modeling
- ✓ Human Influences into Natural Disasters
- ✓ GIS Methods
- ✓ Globalization from a Human & Natural System Perspective
- ✓ Analysis of Social and Ecological Networks
- ✓ Distribution of Resources in Natural & Human Systems
- ✓ Landscape Modeling
- ✓ Sustainability of Ecosystem Services

*An override is needed to enroll.
Contact Kathleen Mills at millsk@msu.edu or (517) 432-8296*

CORE TEACHING TEAM

W. Taylor, Department of Fisheries and Wildlife

J. Liu, Department of Fisheries and Wildlife, Center for Systems Integration and Sustainability

K. Frank, Departments of Counseling, Educational Psychology & Special Education & Fisheries & Wildlife

Questions about the course should be directed to:

Dr. Ann Krause krausean@msu.edu or Brandy Nowell nowellbr@msu.edu