

GREAT SPRING COURSE!

Interdisciplinary Climate Change Mitigation: options for Northern Arizona University

Independent Study/Independent Research
BIO 497, ME 497, ENV 497, ECO 497, CM 497

Spring 2008

Monday 12:10 - 1:40 College of Business Room 114

3 credit hours

Have you ever wanted to take a class that

- is truly interdisciplinary, including students and faculty from the sciences, engineering, business, and humanities?**
- opens your eyes to connections among disciplines that are shaping our globalized world?**
- will contribute to local policy on climate mitigation?**
- could shape your career path, by exploring opportunities in the emerging carbon market?**

Sign up for this exciting course! This course takes a practical and interdisciplinary approach to the complex problem of mitigating global warming. Can the climate system be stabilized while maintaining healthy economies? Are proposed legal and market incentives adequate to avoid 'dangerous interference to the climate system', something to which the US has committed by signing the UN Framework Convention on Climate Change? What are the tradeoffs, and what are the optimal solutions? Rather than sitting back and listening to professors wax philosophical on such issues, in this course you will take a whole systems approach to this problem by focusing on greenhouse gas emissions and mitigation at NAU, using the campus' own greenhouse gas footprint as a case study. Student teams will assess projects to reduce greenhouse gas emissions at NAU in various emissions sectors (electricity, natural gas, transportation, and waste and land management). Each team will comprise students from different backgrounds and skill sets, together able to assess the scientific, technical, financial and social aspects of their specific emissions reduction or offset strategy.

Faculty involved include Bruce Hungate, George Koch (Climate Change Science, Natural Systems), Tom Acker (Engineering and Alternative Energy), and Marc Chopin (Economics)

Enrollment in this course will be capped. Instructor permission is required to enroll. To sign up, please contact Sally.Evans@nau.edu