

### **ENSC 2913 Environmental Special Problems**

**Catalog Description:** Work on special projects and problems in environmental science or related fields. Three hour of environmental science credit.

**Prerequisite:** none

**Credit hours/ Contact hours/Load hours:** 3/3/3

**Target Audience/Transferability:** Successful completion of this course should prepare students for successful further study in environmental and regulatory science. This is a required course for the Environmental & Regulatory Science AAS Degree. ENSC 2913 will transfer to the University of Arkansas at Fayetteville in Environmental, Soil, and Water Science as elective credit. Transferability should be confirmed with any other receiving institutions.

**Student Learning Outcomes:** Students completing this course will be able to

- Develop and complete a project in an Environmental and Regulatory Science area of interest not served by a traditional course.
- Complete a Project Log for the special problem project developed.
- Develop relationships with local environmental professionals and local environmental citizen groups that will provide a valuable educational experience.
- Describe local restoration projects and the unforeseen problems that may result from season to season as they are managed.

**Topics:**

- Environmental Pollution
- Conservation
- Cultural Ecology
- Soil Conservation Management
- Prescribed Burning
- Surface and Groundwater Analysis
- Cave and Spring Water Analysis
- Aquatic Invertebrate Survey
- Environmental Geology
- Natural Resources and Energy

**Forms of Assessment:** Variable methods, which include but are not limited to written and oral presentations utilizing project-based learning methodology and/or laboratory exercises.