ENVR_SCI 203 / CIV_ENV 203

Overview of class
We are faced with major global challenges involving the sustainable use of resources and stewardship of the environment. These include sustainable energy production and its impacts on other resources. This course will be an introduction to this topic, focusing on the science behind it and approaches to engineering relevant solutions.

Registration Requirements
CHEM 103, MATH 224

Learning Objectives
1. Research information in the scientific peer reviewed literature 2. Assemble and synthesize information to answer research questions 3. Clearly communicate information in written formats 4. Identify the major environmental issues associated with energy use 5. Identify and describe engineering solutions to environment issues 6. Perform fundamental physical-chemical calculations that constrain the energy-environment system

Teaching Method
Two 1.5 hour lectures/week plus a required discussion section.

Evaluation Method
Progress in the course will be monitored by a series of problem sets, class activities and exams.

Class Materials (Required)
No formal textbook