ECE 2194.01 (Proposed): Sustainable Energy and Society

Course Description
Explores how energy is created and used in today's society. Discusses wind, solar, coal, nuclear, geothermal, sustainability, etc. Intended for non-engineers but engineering students welcome.

Prior Course Number: 294.05
Transcript Abbreviation: Group Studies ECE
Grading Plan: Letter Grade
Course Deliveries: 100% at a distance
Course Levels: Undergrad
Student Ranks: Freshman, Sophomore
Course Offerings: Spring
Flex Scheduled Course: Never
Course Frequency: Every Year
Course Length: 14 Week
Credits: 2.0
Repeatable: No
Time Distribution: 2.0 hr Lec
Expected out-of-class hours per week: 4.0
Graded Component: Lecture
Credit by Examination: No
Admission Condition: No
Off Campus: Never
Campus Locations: Columbus
Prerequisites and Co-requisites: Prerequisite: Math 1148 (104) or higher
Exclusions: Not open to students with credit for 294.05 (Au11)
Cross-Listings:

Course Rationale: Existing course.
The course is required for this unit's degrees, majors, and/or minors: No
The course is a GEC: No
The course is an elective (for this or other units) or is a service course for other units: Yes

Subject/CIP Code: 14.1001
Subsidy Level: Baccalaureate Course

Course Goals

Learn capabilities and limitations of various energy sources
Learn how energy is used around the world today
Develop critical thinking skills
Learn to estimate orders of magnitude
Learn how to participate knowledgeably in the ongoing energy debate

Course Topics

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<td>Introduction and Motivation</td>
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