**New York City College of Technology**

**Interdisciplinary Committee**

**Course Review Form**

**DATE:** 10/10/18

**REVIEWER:** Ezra Halleck

**COURSE TITLE & NUMBER:** ESCI 2000ID

**PROPOSED BY:** Geoff Zylstra and Diana Mincyte

**CREDIT HOURS:** 3 Class Hours, 3 Credits

**PREREQUISITES:** ENG1101, MATH 1275

**COURSE IS: X** Existing New In development

**PROPOSED COURSE DESIGNATION**: X College Option elective Capstone other:

**DEPARTMENT HOUSED IN:** Social Science

**PROPOSED STRUCTURE (e.g., co-taught, guest lecture, LC, other):**  co-taught

**CREDIT DISTRIBUTION** (if co-taught): 1.5 each

**CATALOG DESCRIPTION:** This special topics interdisciplinary course provides an introduction to energy systems, such as hydropower, solar, wind, geothermal and natural gas. Students learn about the scientific process of energy production and its applications. Students will explore economic and environmental impacts caused by the demand for sustainable resources.

**DESCRIBE & EVALUATE HOW COURSE MEETS INTERDISCIPLINARY CRITERIA?**

Topic by its nature is broad and interdisciplinary.

**DESCRIBE & EVALUATE THE INTERDISCIPLINARY STRUCTURE?**

While the course will be taught by social scientists (sociologist and historian), there has been a concerted effort to maintain a close connection to the natural sciences. Guest lectures by a chemist, nuclear engineer and biologist are planned for the course.

**DOES COURSE MEET REQUIREMENTS FOR GENERAL EDUCATION?** All the topics and instructors are part of what is considered a liberal education, except perhaps the nuclear engineer. However, the engineer will not be delivering technical content, but rather will be providing an overview of the issues surrounding nuclear power, which certainly falls within the confines of a liberal education.

**STRENGTHS:** Just as the United Nations as issued a stern warning on the need for almost immediate and drastic action, this course could not be more timely or important.

**WEAKNESSES:** none