**DATE:** **April 13th, 2015**

**TO:** Viviana **Vladutescu, Chair, College Council Curriculum Committee**

**FROM: Curriculum Subcommittee: ASM Delowar Hossain (Chair) and Anty Lam**

**RE: Final Report 14-11, Interdisciplinary New Course Proposal: ESCI 2000: Energy Resources** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Chemistry department is proposing a new interdisciplinary course with the Construction Management and Civil Engineering Technology (CMCE) department.

**Course Name:** ESCI 2000 - Energy Resources (Previously CMCE 2510)

**Number of Credits: 3 credits-** 3 Class Hours, 0 Lab Hours

**Pre/co-requisite:**  ENG 1101, MATH 1275 or higher

This course focuses on the economic, social, political, and environmental impacts of various energy resources. The course will fulfill the requirements for the college interdisciplinary elective required for BTech or BS students.

**Catalog Description:** This special topics interdisciplinary course surveys various energy resources: hydropower, solar, wind, geothermal and natural gas. Students learn about the scientific process of energy production and its applications. Students explore economic, social, political, and environmental impacts.

**Rationale:** All baccalaureate students are required to complete one interdisciplinary liberal arts and sciences course. This course provides a topic of interest to multiple disciplines including but not limited to engineering technology, engineering sciences, and environmental science. Students will work across disciplines, learn to recognize varied perspectives, think critically, communicate effectively, and work collaboratively.

**Strengths:** This is a well-designed 3 credit interdisciplinary course that teaches students about energy sources. Students learn about the scientific process of energy production and its applications. Students will explore economic, social, political, and environmental impacts.

**Issues and Concerns:**

* Hosting department was changed (along with course number –from CMCE 2510 to ESCI 200) as per subcommittee feedback.
* Course name was modified as per interdisciplinary committee feedback.
* Quizzes and grading details were provided as per subcommittee feedback.
* Chancellor’s report form was updated as per feedback.
* Gen Ed SLOs were revised as per advice from Dean Botchway.
* Catalog description and rationale were revised as per advice of Provost August.

Few additional minor suggestions were offered by the subcommittee that were addressed by the proposers.

**Weaknesses:** None

**Subcommittee Activities:**

The subcommittee corresponded with the proposer to address number of issues. The subcommittee also met with Provost August, Dean Botchway, Dean Hom, Ms. Cardascia and the proposers. The subcommittee was satisfied with the final proposal, which included all the suggested modifications**.**