EECE 401 International Experience, 2012

Spring Semester

Orientation and four One-hour Pre-Program Seminars

Summer

May 25 to June 7, classes at UNICAMP and field trips to sugar cane fields and manufacturing facilities, and labs.

June 8 to 7, visits to Rio de Janeiro.

Each student makes a 10-minute power point presentation on a topic related to biofuel to the students and faculty of UNICAMP.

Before Fall Semester:

Each student writes a 20-page report that has two components: a), science and technology (2/3) and b), society and culture (1/3). This paper is 15 % of the final grade.

Fall Semester

First four weeks

Class jointly produces a video summarizes the impressions of the summer (5% of the grade).
Students choose projects on biofuels and attend weekly classes and discussions (Attendance and participation count for 10 % of the grade).

November 19-20

Each student presents a 15-minute power point presentation (30 % of the grade).

December 10

Research paper (30—page) due (40 % of the grade) based on topics in biofuel research.

An optional Community-based Teaching and Learning (CBTL) component, sponsored by the Gephardt Institute for Public Service, will give Washington University students the opportunity to mentor sixth- and seventh-grade students at the local KIPP: Inspire Academy, and assist them in developing science fair projects on solar energy technologies that may be exhibited at the Greater St. Louis Science Fair. WU students electing to participate in this program would meet with the KIPP students approximately once every 1-2 weeks during the semester, and give a final presentation on their CBTL experience and assessment to EECE 401 students and faculty. This program was first introduced in 2011 so some refinements are still in progress.