



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Green Engineering Scholars Seminar

ENGR 1197.01

Credit Hours:

1.00 - 1.00

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Recitation

Lecture

Course Description:

Scholars Program academic and co-curricular requirements and expectations; University procedures relative to the Scholars experience; resources and opportunities related to Scholars program theme; students rights, responsibilities, and expectations; overview of relevant major and careers. Prereq: Scholars status.

Prerequisites and Co-requisites:

Prereq: Enrolled in Green Engineering Scholars Program or by permission of instructor.

Course Goals / Objectives:

- To introduce the meaning of green engineering principles and how they are applied across multiple areas of engineering;
 - To discuss new and innovative engineering projects, products and processes, both domestic and globally, which align with the themes of each program;
 - To recognize the meaning of social responsibility as a student and future engineer through commitment of giving back to the community;
 - To connect students to resources on campus and beyond that can help them in their current coursework and future goals;
 - To promote and develop awareness and abilities in regards to diversity, inclusion, identity, strengths, and leadership skills.
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Course Topics:

- Introduction to GES, including program expectations and requirements
 - Service opportunities in engineering, which could include presentations from groups like BuckIServ, Pay it Forward, Relay for Life, Buckeyethon, Engineers for Community Service, Engineering without Borders, Metro (tutoring), Heinzerling etc.
 - Global projects and initiatives related to engineering, which could include GO ENGR, OIA (Office of International Affairs)/Study Abroad information, engineering-specific education abroad programs, UN Millennium Development Goals, etc.
 - Research project in a team of a theme-related topic, which introduces them to campus resources for finding information, instructions for creating an annotated bibliography, effective ways for presenting and communicating research findings, etc.
 - Identity, diversity and leadership development through activities and workshops, like Gallup StrengthsFinder, True Colors by Student Leadership Advocates, Diversity Awareness through Multi-cultural Center, etc.
 - Hands-on activities and labs related to themes of programs
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Designation:

Elective