



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Humanitarian Engineering Scholars Seminar

## ENGR 1197.02

**Credit Hours:**

1.00 - 1.00

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**Course Levels:**

Undergraduate (1000-5000 level)

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**Course Components:**

Recitation  
Lecture

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**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.

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**Prerequisites and Co-requisites:**

Prereq: Enrolled in Humanitarian Engineering Scholars Program, or permission of instructor.

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**Course Goals / Objectives:**

- To introduce the meaning of humanitarian 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 HES, 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