



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# OSU - Colombia Collaboration

## ENGR 5797.14

**Credit Hours:**

3.00 - 3.00

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**Course Levels:**

Undergraduate (1000-5000 level)

Graduate

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**Course Components:**

Field Experience

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**Course Description:**

This study abroad course is to focus on development of education in Colombia at the K-12 level via STEM education for students and collaborations with teachers to develop materials for students; and at the university level by collaboratively developing low-cost engineering experiments for laboratories, along with on-line instructional materials.

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**Prerequisites and Co-requisites:**

Prereq: 5050 or permission of instructor.

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**Course Goals / Objectives:**

- Develop novel experiments for K-12 STEM education, develop cross-cultural STEM education strategies.
  - Develop novel university-level engineering experiments.
  - Develop on-line instructional materials for university experiments.
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**Course Topics:**

- STEM education
  - Cross-cultural education
  - University development for engineering
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**Designation:**

Elective