



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Solar Engineering Service-Learning

ENGR 5797.16S

Credit Hours:

3.00 - 3.00

Course Levels:

Undergraduate (1000-5000 level)

Graduate

Course Components:

Field Experience

Course Description:

During the Solar Engineering Service-Learning program, students will travel abroad and collaborate with partner organizations and communities, to evaluate, assess, design, pilot, and implement various solar technologies. Must be admitted to the program through the Office of International Affairs before enrolling. Students will enroll in ENGR 4692.XXS (1 credit hour) for second session spring term.

Course Goals / Objectives:

- Identify and analyze the impact of sustainable technology on a developing country in terms of the environment, public discourse, economy, education, cultural attitudes, socioeconomics, and public health.
 - Devise practical and sustainable engineering solutions that involve partnerships with the local partners, including the local community at large.
 - Participate in a study abroad experience.
 - Synthesize the theory and practice of service-learning within the local and global community.
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Course Topics:

- Implementation, evaluation and testing of sustainable technologies in a developing country.
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Designation:

Elective