

# Sustainable Community Development: Honduras

\*\*\* Opportunity to engage in international service learning remotely \*\*\*

**Project Type:** Faculty-Led Engineering Service-Learning - Remote  
**Course:** ENGR 5797.24 (3 graded credit hours) SP 2021, Time: TBA  
**Instructor:** Dr. Howard Greene  
**Majors:** ALL Engineering, Industrial Design, Construction Systems Management, Agricultural Systems Management, City and Regional Planning  
**Pre-reqs.:** None, but permission of instructor needed  
**Cost:** Tuition only - No program or application fee  
**Location:** Caliche, Honduras

**Description:** Students will have the opportunity to engage in international development efforts through blended teams of Zamorano University (Honduras) and Ohio State University students. Students will work collaboratively and remotely with the nonprofit Heart to Honduras to use problem solving mindsets to develop and support community-driven development initiatives related to rainwater harvesting and water management. Student teams will engage in active dialog with the rural community of Caliche via WhatsApp and indirectly via “video snippets” for answers to specific questions. Students will formulate and conduct interviews and focus groups and assess existing practices related to water systems. Teams will develop appropriate responses to the challenges identified through proposed solutions, modeling and developing prototypes. To help them appropriately engage with the design process, students will learn historical, societal and cultural aspects that help illuminate the rich context at the intersection of engineering and participatory, asset-based community development. This course is a unique opportunity to engage in international development efforts and experience working on a multi-cultural team.

Course eligible for **Engineering Global Option, Humanitarian Engineering Minor, STEP** and **technical elective credit (by petition)**.

**Application Deadline:** 11/1/2020

**Questions? Contact** Howard Greene (greene.8@osu.edu)

**Information Session (10/20/2020):** <https://osu.zoom.us/meeting/register/TJUtcO-opjIqGNUcihLFIFMA-RxL9EcNZ7kX>

**Apply:** <https://educationabroad.osu.edu/index.cfm?FuseAction=Programs.ViewProgramAngular&id=10718>

