



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Sustainable and Resilient Tanzanian Communities - Engineering

## ENGR 5797.21S

### Credit Hours:

1.00 - 3.00

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### Course Components:

Lecture

Field Experience

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### Course Description:

Sustainable and Resilient Communities focuses on applied, service-learning projects around Kilimanjaro, Tanzania. Students will contribute to the sustainability of partnered community's long-term food, water, energy, and health systems. In addition to participating in service in a global context, students will explore the complex challenges and opportunities of sustainable development in rural TZN.

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### Prerequisites and Co-requisites:

Prereq: CivilEn 4000.01. Concur: CivilEn 4000.02, or permission of instructor.

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### Course Goals / Objectives:

- 1Describe the impact that development interventions have on communities, 2Engage more effectively in intercultural communications both personally and professionally, 3Demonstrate the process for designing, implementing and evaluating a development
- project in an international community, 4Apply knowledge of community and development theory and practice to formulate strategies to improve community resilience and sustainability in rural, Tanzanian community contexts