

Spring 2025 Course

## HEST 412/HEST 512

Multidisciplinary Case Studies in Humanitarian  
Engineering, Science, and Technology



### **HUMANITARIAN ENGINEERING COURSE**

**STUDENTS FROM ANY MAJOR ARE INVITED TO ENROLL**

Description: **HEST 412/512** introduces students to multidisciplinary methods and perspectives applied to case studies in humanitarian engineering, science, and technology. Applications to real world issues with global implications at the interface of humanity and nature are addressed from a systems perspective using a case study approach. A core course for Humanitarian Engineering Science and Technology students.

Given the multidisciplinary nature of the course, it is expected that the enrollment will be comprised of students from across campus (engineering, social sciences, environmental sciences, public health, management, physical sciences, forestry, agriculture).

Credits: 3. Satisfies 3 core course credits for humanitarian engineering undergraduate certificate and 3 electives credits for environmental management graduate certificate.

**INSTRUCTOR:** Dr. Carolyn Fonyo, [carolyn.fonyo@oregonstate.edu](mailto:carolyn.fonyo@oregonstate.edu)

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**FORMAT:** Online delivery through Ecampus

**HEST 412 CRN 57125 / HEST 512 CRN 57127**