COURSE DETAIL

GEOLOGICAL HAZARDS
Country Australia
Host Institution University of Sydney
Program(s) University of Sydney
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Civil Engineering
UCEAP Course Number 22
UCEAP Course Suffix
UCEAP Official Title GEOLOGICAL HAZARDS
UCEAP Transcript Title GEOLOGICAL HAZARDS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course examines the issues related to risk of ground instability, which concern all civil engineering projects. Students will learn how to identify, evaluate and mitigate hazards including landslides, sinkholes and earthquakes. They will develop the ability of assessing the impact of these hazards on the natural and built environment. They will acquire analytical skills to quantify ground (in)stability and foresee natural and entropic causes of ground failure. They will learn how to design engineering solutions to mitigate these risks.

Language(s) of Instruction
English

Host Institution Course Number
CIVL1022

Host Institution Course Title
GEOLOGICAL HAZARDS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

Print