

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

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