

# 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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