

# Engineering Geohazards, M.Sc.

Semester 4

Thesis in Industry



Thesis in Academia

Joint Master Thesis

Internship

Semester 3

Remote Sensing  
Geological Map  
Interpretation

Risk and Project  
Management

Economics  
Structural Control  
and Health Monitor-  
ing

Dams and Hydro-  
power  
Site Investigation

Risk Management Solutions

Advanced Methods

Semester 2

Engineering:  
Flood Protection  
Coastal Engineering

Sociology of Natural  
Risks and Social  
Catastrophies

Sustainability  
Assessment

Geostatistical  
Modelling

Research Module - From Maps to Geohazard Models

Integrative Assessment "Field/Lab/IT applications"

Semester 1

Geoscience:  
Natural Hazards  
Earthquake Geology

Environmental  
Geochemistry

Sustainability  
Strategies  
Climatology

Modelling:  
GIS  
Programming

Understanding Processes & Principles

Multi-method field survey "Understanding processes"

Prerequisites  
Elective modules