



VO872015

Engineering geology and natural hazards of the Himalaya (in Eng.)

1 ECTS

Guest Professor

Ranjan Kumar Dahal (PhD, PostDoctorate, M.ASCE)



 **Engineering Geologist | Geohazards Expert | Disaster Risk Management**

28 years of experience in researching & managing geohazards: earthquakes, landslides, and debris flows

 **Young Scientist Award of Nepal (NAST, 2009)**

 **Vice President for Asia (2023-2026), IAEG**

 **Innovative solutions** for rockfall & landslide risk mitigation

 Key contributor to **disaster risk management** in Nepal





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Date? Mon. April 28th to Wend. April 30th

Location? EXNH-02/10

- Contents?**
- Geological structure, tectonic settings and mountain building processes of the Himalayan region
 - Engineering Geology of the Himalaya
 - Analysis of natural hazards in the Himalayas:
 - identification and assessment gravitational slope deformations and assessments
 - Earthquakes in the Himalaya
 - Glacial lake outburst floods (GLOF)
 - geohazards induced by climate change
 - Engineering geological challenges for infrastructure development such as road construction, hydropower and settlements

