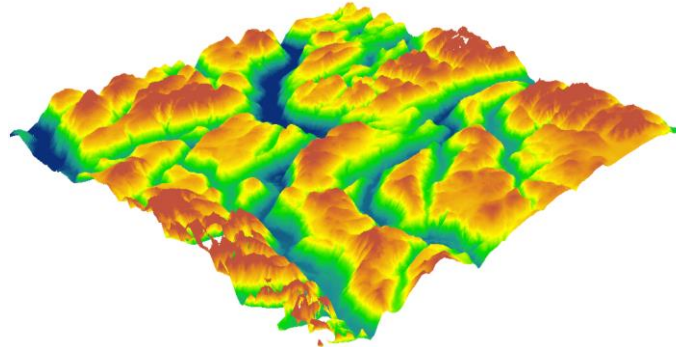


Manipal Centre for Natural Sciences
Centre of Excellence
Short certificate course on
TECTONIC GEOMORPHOLOGY



Source: <https://gisgeography.com/free-global-dem-data-sources/>

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Course duration: May 16-20, 2022

Format: Interactive classes on 16th, 18th and 20th May 2021, from 5:30 pm to 7:00 pm and additional reading/activities, quizzes, assignments or case studies on 17th and 19th.

Venue: Microsoft Teams online platform.

About the course: Tectonic geomorphology comprises an integrated study of landscape development involving tectonic and surface processes. Lately, many geoscientists are working on understanding structural elements controlling the geomorphology of the terrain by using new approaches such as high-resolution digital elevation models and dating techniques. The main objective of this Short Certificate Course is to briefly give an overview of the landscape evolution in different geomorphic terrains to the students. This course will help the participants to distinguish several geomorphic features in tectonically active and passive regions during their field excursions. Throughout the participation, students will also know how different approaches like geological datasets for mapping and dating techniques are used for understanding tectonic-geomorphic evolution.

Topics to be covered: Introduction to tectonic geomorphology, Tectonic and Geomorphic processes, Theories of landform development – Davis model, Penck model and Hack model, Drainage basin morphology, Geomorphic markers, Planar markers – Marine terraces, Beaches, shorelines, river terraces, alluvial fans, landslides, Linear markers – ridge crests and glacial moraines, Geological datasets (DEM) and dating methods used for studying landscape evolution.

Who can apply: Students enrolled in a postgraduate program (geology) or higher.

How to apply: The number of participants is limited to 30. A candidate can apply via the link https://forms.office.com/Pages/ResponsePage.aspx?id=Qr2-Kf_xPUyWiAZ-NGDcHyLYheGIH5xEiY0cOlzeKt5URFRPUDBYQIVBMzFENTdYRjIzMFVBSIZORC4u.

Selected candidates will be notified through email. **There is no registration fee.**

Eligibility for the completion certificate: 100% attendance and completion of all the modules in the course.

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