GEOG289/395 Geomorphology

A course in three parts:

1

The integrated nature of earth system science, the geological background to earth surface processes, key techniques in geomorphology

2

Earth surface processes including weathering, slope stability, fluvial processes and landforms, erosion and deposition on the coast, glacial processes and landforms

3

Large scale and long-term landscape development, how climate change drives landscape change and application of geomorphology to environmental management

COURSE DELIVERY

Lectures

Two 1 hour lectures per week (In person & online)

Practicals

Six 3-hour practicals (two streams available).

Get hands-on experience using ground penetrating radar; in-river surveying techniques, and landform mapping.

Further inquiries:
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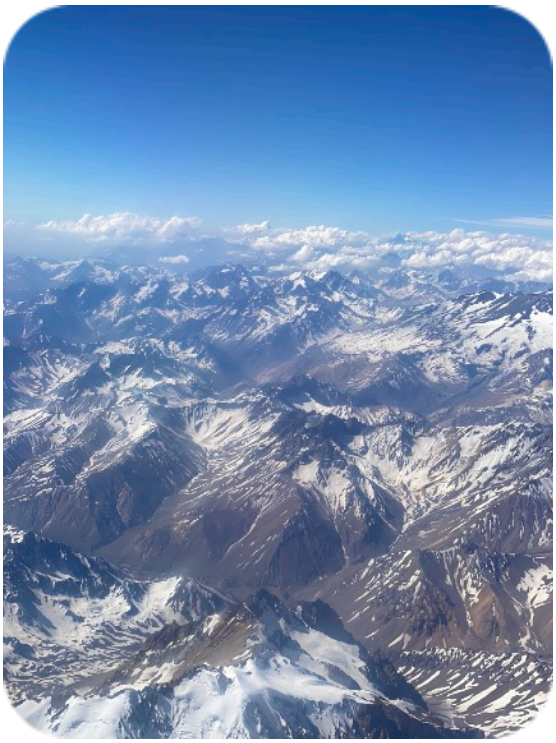
Learning Outcomes

Students who successfully complete this paper will have:

1. The ability to "read" landscapes: to understand how they have formed and how they change over time
2. Understanding of the relationships between tectonic and surface processes
3. Understanding of earth surface processes associated with hillslopes, rivers, coasts and glaciers
4. Knowledge of the strength and behaviour of rock, soil and water
5. Knowledge and understanding of the erosion, transportation and deposition processes
6. Knowledge of a range of techniques used in the investigation of earth surface processes and landforms



Assessment

Assessment consists of a laboratory programme 45%, three take-home tests worth 15% together and an external examination worth 40%.

Students taking GEOG 395 will also be expected to complete an independent research assignment as part of the programme of laboratory exercises.

Study towards jobs in Earth and Environmental Sciences

Geog289/395 is designed to develop the core communication skills used every day in local and central government, consultancies and engineering firms, NGOs, and Research Institutes.