

GEOG 2016 Drainage Basin Geomorphology

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In a Nutshell

How do processes of erosion and sedimentation shape the Earth's surface? How do variations in local environment affect these geomorphological processes and resulting landforms? How can we predict how climate change will affect landform and landscape evolution?



Landsliding in California. Photo: Ann Ditmer

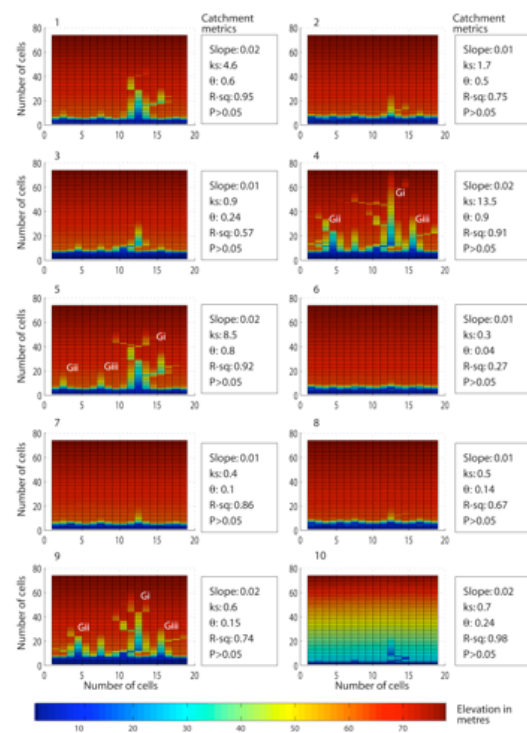
To answer these questions, this module offers a combination of theoretical background and practical study, with a particular emphasis on computer modelling – a form of analysis commonly used to address the world's environmental challenges. Specifically, students learn to use computer simulation models as tools to explore how climate and other drivers of environmental change shape the world's landscapes.

Employment Value

Taught in a non-mathematical way, this module helps students develop generic skills, including report writing and the analysis and synthesis of data, which are relevant across all job sectors.

Educational Value

The structure and assessment criteria for the module report are identical to those for the final year undergraduate dissertation (the most important piece of work in your undergraduate career). The module therefore gives you an opportunity to practice and learn how to prepare an excellent dissertation.



Computer simulations exploring how sea-level rise during the Holocene affects drainage basins on the south coast (from Leyland and Darby, 2009, ESPL).

The Student View

“An excellent module, superbly organised by an excellent team. I was extremely satisfied with the level of commitment the staff showed to ensure we learn and understand the course material.”

“Doing an individual project is very beneficial as it puts you in the seat of a researcher, which is very good for understanding.”

Anonymous feedback (2011)