

Rivers and Beaches (ESS/Ocean 230)

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Marine Geology and Geophysics

Professor, School of Oceanography and
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Chuck Nittrouer's research interests include the modern and ancient formation of sedimentary strata in continental-margin environments, and the effects of physical and biological oceanic processes on sedimentary characteristics. Ongoing research includes coastal areas of New Guinea-Australia, the Mediterranean, and US west coast. Other recent studies have been completed at the mouth of the Amazon River, Asian rivers, and off Antarctic and Alaskan glaciers.



Geomorphology

Professor, Dept of Earth & Space Sciences

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Dave Montgomery studies the evolution of topography and the influence of geomorphological processes on ecological systems and human societies. His work includes studies of the evolution and near-extirpation of salmon, fluvial and hillslope processes in mountain drainage basins, the evolution of mountain ranges (Cascades, Andes, and Himalayas), and the analysis of digital topography of Earth and Mars.