

GEOSCIENCES 602

# CLIMATE, TECTONICS AND EROSION

SPRING 2007

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JOIN US FOR AN EXPLORATION OF THE FORCES COMPETING TO EITHER CREATE OR DESTROY TOPOGRAPHY. TO UNDERSTAND THIS INTERPLAY BETWEEN DEEP-EARTH AND SURFACE PROCESSES, WE WILL INVESTIGATE DIVERSE GEOLOGICAL TOPICS INCLUDING:

- THE INFLUENCE OF TOPOGRAPHY ON CLIMATE (AND VISE-VERSA)
- GEOMORPHIC MARKERS FOR MEASURING DEFORMATION
- GEOCHRONOLOGICAL METHODS FOR DATING LANDFORMS
- TECHNIQUES FOR CALIBRATING RATES OF UPLIFT OR EROSION
- AND MUCH, MUCH MORE.

THIS SEMESTER'S INCARNATION OF ADVANCED GEOMORPHOLOGY WILL EMPLOY LECTURES SUPPORTED BY A WELL CRAFTED, MODERN TEXT (BURBANK AND ANDERSON, 2001) AS WELL AS SELECTED READINGS FROM PRIMARY SOURCES. THE COURSE WILL JOIN FORCES WITH SPRING SEMINAR, LINKING WITH THAT CLASS FOR A ONE WEEK FIELD TRIP TO THE EASTERN SIERRA NEVADA AND DEATH VALLEY (APRIL 13- 21, 2007).

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IF YOU HAVE QUESTIONS, PLEASE CONTACT EITHER OF THE INSTRUCTORS:  
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