

EES

Course : EES 411

Cross-listed Course(s) :

Submitted By : Anastasio, David J. <dja2@lehigh.edu> on 3/24/2008 9:46:58 AM

Type : Add

Program : Earth & Environmental Science

Description : EES 411: Physical and Chemical Processes at the Earth's Surface

An advanced treatment of physical and chemical processes and their interactions in the critical zone. Quantitative methods, modeling, and process oriented approaches are presented in a systems context from the meter, to watershed, to continental scale. Topics include weathering and soils, chemical and physical fluxes from watersheds, and global hydrology and erosion. 3 NS Peters and Pazzaglia.

Rationale : EES Core course in a major disciplinary area of Earth & Environmental sciences. The department has added a great deal of faculty strength in this area through faculty hires in the last 5 years. Core courses are by design highly accessible. This new course will open up a segment of the EES graduate curricula to a wider graduate student audience.

Student Impact (Internal) : Greater choice in core course selection, a requirement for all EES graduate students

Student Impact (External) : none

Faculty Impact (Internal) : Alternate year offering and team taught. This raises the teaching commitments and loads of Peters and Pazzaglia.

Faculty Impact (External) : none

University Impact : none

Internal Approval : Yes

External Consultation : No