

Course Announcement for Spring 2016



CE 517 Mechanics of Sediment Transport

Instructor: John Petrie (j.petrie@wsu.edu)
Lecture time: 9:10 – 10:00 am M, W, F
Room: Johnson C105

Course Overview: This course introduces flow in alluvial streams and analytical tools for predicting the results of flow-sediment interactions. This material provides the base knowledge required for solving complex river engineering problems including stream restoration, protection of infrastructure, and flood management.

Course Topics List:

1. Introduction to the fluvial system
2. Properties of river flows and sediment
3. Initiation of motion
4. Sediment movement (bed load, suspended load, and total load)
5. Bed forms
6. River morphodynamics

