



Watershed Management


UPPER DIVISION

In all classes, weekend trips may substitute for some scheduled labs or lectures. Labs may begin before 8:00 A.M. and last over three hours, allowing for travel.

 **WSHD 310. Hydrology & Watershed Management** (4). Hydrologic considerations of forest roads, stream crossings, road drainage. Management influences on hydrologic processes and aquatic habitat; protecting salmonid resources. [Prereq: Lower Division GE Area B Physical Universe Requirement, or IA. Weekly: 3 hrs lect, 3 hrs lab.]


 **WSHD 333. Wildland Water Quality** (3). Evaluation and management of non-point source effects on wildland streams (e.g., sedimentation, stream heating, and habitat change) from range and forest management activities. [Prereq: CHEM 107. Weekly: 3 hrs lect. Rep.]

WSHD 424. Watershed Hydrology (3). Hillslope and fluvial hydrology. Water quality. Watershed management: analysis, planning, cumulative effects. [Prereq: WSHD 310 or IA. Weekly: 2 hrs lect, 3 hrs lab.]

 **WSHD 458. Climate Change & Land Use** (3). Implications of climate change for terrestrial and aquatic resources. Overview of projected shifts in weather and climate. Influence of land use decisions on global carbon cycle in forests, agriculture and wetlands. [Prereq: BOT 105 or BIOL 105, CHEM 107 or CHEM 109.]

GRADUATE

WSHD 524. Advanced Watershed Hydrology (3). Meets jointly with WSHD 424. Students enrolled in WSHD 524 are expected to carry out additional independent analyses of watershed hydrology topics and deliver a lecture on an independent topic. [Prereq: WSHD 310 or IA. Weekly: 2 hrs lect, 3 hrs lab.]

 **WSHD 558. Advanced Climate Change & Land Use** (3). Meets jointly with WSHD 458. Students enrolled in WSHD 558 are expected to carry out additional independent analyses of climate change and land use and deliver a lecture on an independent topic. [Prereq: CHEM 107 or CHEM 109, BOT 105 or BIOL 105.]

WSHD 685. Forest Hydrology Seminar (1-2). Review of research and literature for forest hydrology subjects. May include presentations by class members or resource people. [CR/NC. Prereq: WSHD 310 (C) or IA. Fee possible. Rep.]