

Environmental Policy & Planning (EPP)

Courses

EPP 551. Water Resources Policy and Management. 3 Credits.

The world faces unprecedented challenges as vital water is used and abused, mismanaged and wasted. This course is a comprehensive analysis of the current state of water issues and future implications, introducing basics of water management and planning. Topics covered are: basic hydrological cycle, human impacts on the hydrologic cycle, water pollution, flood and drought, mining of aquifers, water conflicts, state water laws, historical municipal and irrigation development, dams and pipelines, water and wastewater treatment (and related laws), effects of land use, effects of climate change, FOOD-ENERGY-WATER nexus, economics of water, and contemporary strategies to improve water use and quality. Focus is mostly national, with many local and global examples.

P: gr st.

Spring.

EPP 579. Natural Resource Policy, Law, and Administration. 3 Credits.

This course examines public land and resources policy, law and administration from multiple perspectives. It covers environmental and administrative decision making and various contemporary resource management problems and conflicts. A number of substantive policy areas are examined including national forests, public rangelands, wildlife and biodiversity, and protected areas, among others. These substantive areas are approached and analyzed in a number of different ways.

P: graduate status.

EPP 650. Advanced Geographic Information Systems. 3 Credits.

Project-based course using ARC/INFO software. Students adopt a study area, develop data layers, analyze these data and develop GIS maps showing results of the analysis.

P: graduate status

Spring.

EPP 652. Planning Theory and Methods. 3 Credits.

Planning for public and not-for-profit agencies: theory and practical significance of planning; the political and administrative setting of planning operations; and methods of planning analysis such as strategic planning.

P: graduate status

Spring.