

WILD 6900- SPRING WILDFIRE ECOLOGY MANAGEMENT

Course Description: This course will introduce students to the physical aspects of wildfire behavior, the effects of fire on the physical/ biological environment, and management of fire adapted ecosystems. In the first half of the course we will examine the factors (e.g. fuels, weather, and topography) that determine fire behavior and how this in turn directly affects individual species and fire adapted ecosystems. Case studies from the western United States and other ecosystems across the globe will be used to illustrate how fire can also indirectly affect other ecosystem processes (e.g. water, nutrient, herbivory, and invasion). Readings will also expose students to basic methods used in applied fire ecology research. Students will gain practical skills in the use of the BehavePlus fire modeling program. For the second half of the course we will apply fire ecology concepts to various phases of the fire management process such as; identifying land management objectives, designing fuels treatments (e.g. targeted grazing, prescribed fire, mechanical), and post fire rehabilitation.

**Earn three graduate credit hours*

**Semester based online course*

Instructor: Eric LaMalfa



For information on how to register

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Reynolds Creek Fire, Sam Crump photography