



Course Number Course Name	ES 414 WILDLAND FIRE MANAGEMENT
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	In this course, you will focus on re in restoration ecology and the effects of re on plants, animals, soils, water, and air, with an emphasis directed toward re as an ecological process in wildland ecosystems. You will study how to characterize and predict re effects over time and space, as well as how to apply this to restoration ecology.
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. Understand the impacts of wildland fire on soil, air, water, and vegetation resources. 2. Develop understanding how weather, topography, and fuel independently and collectively influence fire behavior. 3. Literacy in basics of wildland fire suppression and supervision. 4. Learn the use of ignition tools and techniques as a management tool. 5. Learn the techniques and limitations in the safe and efficient use of prescribed fire as a land and vegetation management tool.
College-Wide Student Learning Outcomes	<ol style="list-style-type: none"> 1. <i>Critical Thought</i> <i>Critical Thought will be assessed by testing of concepts related to Wildland fire Management.</i>