



| | |
|---|--|
| Course Number Course Name | ES 318 SILVICULTURE |
| Credit Value (Breakdown of theory and lab credits) | 3 Theory |
| Catalog Course Description | You will study the physical, biological, social, historical, and economic forces shaping past and present forest structure and composition in the various regions of the United States, and you will learn how silvicultural practices have been adapted to address specific management problems. You will also evaluate silvicultural alternatives for addressing present and anticipated future forest management-related problems and issues. |
| Student Learning Outcomes/Objectives /Competencies of the Course | <ol style="list-style-type: none"> 1. To develop an understanding of the terminology and techniques of silviculture. 2. To develop an understanding of the advantages and limitations of silvicultural systems and techniques as they relate to specific biotic, abiotic, social and economic conditions. Particular emphasis will be placed on Western States and Southwestern Ponderosa Pine forests but appropriate examples from across the United States will be used. 3. To develop an appreciation for the role of silviculture within the broader context of managing landscapes, watersheds, and ecosystems. 4. Develop writing skills specific to the natural resources career. This will include understanding and practicing document, prescription, and report development. |
| College-Wide Student Learning Outcomes | <ol style="list-style-type: none"> 1. <i>Cultural Competence</i> <i>Cultural Competence will be assessed with a term paper to addressing the pressure the timber industry places on ecosystems and indigenous people around the world.</i> |