



Course Number	ENVS 4404 Forest Health, Management, and Restoration
Course Name	
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	You will study the basic roles of natural disturbance agents, such as diseases, insects, re, exotic organisms and their interactions in natural forest ecosystems. You will study how restoring and maintaining the health of forests has become an internationally recognized goal for resource management agencies, public conservation organizations, and society in general.
Course Student Learning Outcomes/Objectives /Competencies	<ol style="list-style-type: none"> 1. To comprehend key indicators of forest health, what tools and methodologies are used for quantifying forest health. 2. Understand what biotic and a biotic elements influence and change forest health 3. An understanding of restoration practices, limitations, and applications based on forest type. 4. Comprehend how vegetative manipulation to achieve restoration goal, change ecosystem processes. 5. Based on a specific set of forest conditions, identify health concerns, identify potential areas of health concerns, and develop a plan to mitigate forest health risks.
College-Wide Student Learning Outcomes measured (General education courses only)	
Program Student Learning Outcomes measured	<ol style="list-style-type: none"> 1. Apply systems theory, concepts, and methodologies to critically analyze and understand interactions on an ecological level.