I. Course Name: Intermediate Wildland Fire Behavior  
Prefix and Number: WFS 290  
Credit and contact hours: 2 credit hours – 2 contact hours  
Catalog Description:  
This course is designed to prepare the prospective supervisor to undertake safe and effective fire management operations in a wildland setting. Topics include environmental, topographic and fuel factors influencing wildland fire behavior, extreme behavior and assessment of fire behavior estimates and suppression limitations. Course meets NWCG (National Wildfire Coordinating Group) standards for S-290. Prerequisite: WFS 130/CON 255 or any other S-190 recognized course.

II. Course Outcomes and Objectives  
Learning Outcomes:  
1. Identify and describe the environmental, topographic and fuel factors which influence the behavior of wildland fire.
2. Identify and describe the causes of extreme fire behavior such as spotting, crowning, fire whirls and plum-dominated and wind-driven fires.
3. Assess fireline data and fire behavior estimations and identify areas were fire suppression limitations exist.

Relationship to Academic programs and curriculum:  
This is an elective within the Wildland Fire Suppression Certificate program

College competencies addressed by the course:  
__X__ writing  __X__ ethics/values  
__X__ oral communications  __X__ citizenship  
__X__ reading  _____ global concerns  
__X__ mathematics  __X__ information resources  
__X__ problem-solving  __X__ professional competency  
_____ computer literacy

III. Methods of Instruction  
Types of Course materials: manual, maps, written scenario project

Methods of instruction: Lecture, group projects

Assessment measures:  
Students must be able to meet all objectives at the intermediate level.

Methods of Evaluation: Written exam, written scenario response

IV. General Outline of Topics covered  
1. environmental, topographic and fuel factors influencing wildland fire behavior  
2. extreme behavior  
3. assessment of fire behavior estimates and suppression limitations  
4. scenario