

Wildland Urban Interface

Course Design

2002-2003

Course Information

Organization:	EASTERN ARIZONA COLLEGE
Division:	ITE
Course Number:	FSC 250
Title:	Wildland Urban Interface
Credits:	3
Developed by:	Dr. Barbara Ganz
Lecture/Lab Ratio:	3 Lec/0 Lab
Transfer Status:	Transferable to ASU East-BAS; Non-Transferable to UofA and NAU
Extended Registration	
Class:	No
CIP Code:	43.0203
Assessment Mode:	Pre-Post Test with a total of 10 possible points
Semester Taught:	Offered upon request.
Gen. Ed. Area:	None
Separate Lab:	No
Awareness Course:	NO
Intensive Writing	
Course:	NO
Prerequisites:	1. None
Educational Value:	This course is designed to prepare firefighters to fight wildland fires that threaten life, property, and improvements.
Goals:	1. To prepare firefighters with the knowledge, procedures, and techniques to combat wildland fires that threaten citizens, personal property, or communities.
Description:	This course is designed to meet the training needs for firefighters and company officers confronting wildland fire that threatens life, property and improvements.
Textbooks:	None
Supplies:	None

Competencies and Performance Standards

1. Describe how to size-up an interface fire incident.			
<i>Domain--Cognitive</i>	<i>Level--Evaluation</i>	<i>Importance--Important</i>	<i>Difficulty--Medium</i>
Criteria-- Performance will be satisfactory when: <ul style="list-style-type: none"> • learner will list those items to be considered in sizing-up an interface fire incident, prior to and after arriving at the scene. • learner will list those items to consider in evaluating the types and limitations of resources needed. • learner will list those items that should be included in a size-up report. 	Conditions-- Competence will be demonstrated: <ul style="list-style-type: none"> • on a written test. 	Learning Objectives: <ol style="list-style-type: none"> List those items to be considered in sizing-up an interface fire incident, prior to and after arriving at the scene. List those items to consider in evaluating the types and limitations of resources needed. List those items that should be included in a size-up report. 	
2. Plan the Initial Strategy and Action Plan.			
<i>Domain--Psychomotor</i>	<i>Level--Practice</i>	<i>Importance--Essential</i>	<i>Difficulty--High</i>
Criteria-- Performance will be satisfactory when: <ul style="list-style-type: none"> • learner will list the three priorities when establishing strategic goals. • learner will state the three operational modes. • learner will list five items which would influence your resource order. • learner will list four subject areas to consider when briefing and deploying your resources. 	Conditions-- Competence will be demonstrated: <ul style="list-style-type: none"> • on a written test. 	Learning Objectives: <ol style="list-style-type: none"> List the three priorities when establishing strategic goals. State the three operational modes. List five items which would influence your resource order. List four subject areas to consider when briefing and deploying your resources. 	
3. Explain the elements considered in a Structure Triage.			
<i>Domain--Cognitive</i>	<i>Level--Evaluation</i>	<i>Importance--Important</i>	<i>Difficulty--Medium</i>
Criteria-- Performance will be satisfactory when: <ul style="list-style-type: none"> • learner will list the three structure triage categories. • learner will list five basic factors upon which you base your triage decisions and give three examples of each. • learner will list four conditions that may mean the situation is hopeless. 	Conditions-- Competence will be demonstrated: <ul style="list-style-type: none"> • on a written test. 	Learning Objectives: <ol style="list-style-type: none"> List the three structure triage categories. List five basic factors upon which you base your triage decisions and give three examples of each. List four conditions that may mean the situation is hopeless. 	

4. Describe the tactics that should be employed in an interface fire incident.		
<i>Domain--Cognitive</i>	<i>Level--Analysis</i>	<i>Importance--Important</i> <i>Difficulty--Medium</i>
<p>Criteria--Performance will be satisfactory when:</p> <ul style="list-style-type: none"> • learner will list four operations you should accomplish upon your arrival at the incident or assigned area and describe their importance to your firefighting actions. • learner will describe how to prepare structures and the surrounding area to minimize damage. • learner will describe firefighting methods employed to defend threatened structures from fire. 	<p>Conditions--Competence will be demonstrated:</p> <ul style="list-style-type: none"> • on a written test. 	<p>Learning Objectives:</p> <ol style="list-style-type: none"> a. List four operations you should accomplish upon your arrival at the incident or assigned area and describe their importance to your firefighting actions. b. Describe how to prepare structures and the surrounding area to minimize damage. c. Describe firefighting methods employed to defend threatened structures from fire.
5. Explain an Action Plan Assessment.		
<i>Domain--Cognitive</i>	<i>Level--Synthesis</i>	<i>Importance--Important</i> <i>Difficulty--Medium</i>
<p>Criteria--Performance will be satisfactory when:</p> <ul style="list-style-type: none"> • learner will list the items that need to be considered in assessing the effectiveness of an action plan. • learner will be able to demonstrate their ability to properly update the action plan in a scenario. 	<p>Conditions--Competence will be demonstrated:</p> <ul style="list-style-type: none"> • in a scenario. 	<p>Learning Objectives:</p> <ol style="list-style-type: none"> a. List the items that need to be considered in assessing the effectiveness of an action plan. b. Given an action and and scenario, demonstrate your ability to properly update the action plan when the scenario changes.

6. Describe the Public Relations component of an interface fire.			
<i>Domain--Cognitive</i>	<i>Level--Evaluation</i>	<i>Importance--Important</i>	<i>Difficulty--Medium</i>
<p>Criteria--Performance will be satisfactory when:</p> <ul style="list-style-type: none"> • learner will list several steps that should be completed before leaving an area involved in an interface fire. • learner will list several important factors in dealing with the public at an interface fire. • learner will explain the importance of an organized demobilization plan. • learner will list five tasks to accomplish after the fire has passed, to abate any lingering threat. • learner will describe how you can minimize and protect against damage to private and public property. • learner will describe your responsibilities relate dot post incident management. • learner will describe your responsibilities relating to demobilization of an interface incident. 	<p>Conditions--Competence will be demonstrated:</p> <ul style="list-style-type: none"> • on a written test. 	<p>Learning Objectives:</p> <ol style="list-style-type: none"> List several steps that should be completed before leaving an area involved in an interface fire. List several important factors in dealing with the public at an interface fire. Explain the importance of an organized demobilization plan. List five tasks to accomplish after the fire has passed, to abate any lingering threat. Describe how you can minimize and protect against damage to private and public property. Describe your responsibilities relate dot post incident management. Describe your responsibilities relating to demobilization of an interface incident. 	
7. Describe the safety considerations encountered in interface operations.			
<i>Domain--Cognitive</i>	<i>Level--Evaluation</i>	<i>Importance--Important</i>	<i>Difficulty--Medium</i>
<p>Criteria--Performance will be satisfactory when:</p> <ul style="list-style-type: none"> • learner will describe 12 general safety consideration often encountered in interface operations. • learner will list the structural situations that shout "Watch Out" • learner will list seven DO NOT's when working around power lines. 	<p>Conditions--Competence will be demonstrated:</p> <ul style="list-style-type: none"> • on a written test. 	<p>Learning Objectives:</p> <ol style="list-style-type: none"> Describe 12 general safety consideration often encountered in interface operations. List the structural situations that shout "Watch Out" List seven DO NOT's when working around power lines. 	

Types of Instruction

Classroom Presentation

Grading Policy

Evaluation Methods: Grades will be based on class participation, participation in a scenario, and written tests. The Post-Test will count as 10% of the final grade.

Grading Scale:

Grade	Requirement
A	100-90%
B	89-80%
C	79-70%
D	69-60%
F	Below 60%

Learning Plans

Learning Plan 1-- Learning Plan 1

Overview: The purpose of this lessons is to acquaint the student with methods and techniques to size-up an interface fire incident.

Competency: 1. **Describe how to size-up an interface fire incident.**

Learning Activities:

- _____ 1. PARTICIPATE in class discussions.
- _____ 2. TAKE notes.
- _____ 3. DISCUSS a case study in a small group for ten minutes and then present your findings to class.
- _____ 4. REVIEW objectives.

Performance Assessment Activities:

- _____ 1. Complete quiz.
- _____ 2. Participate in class.

Learning Plan 2-- Learning Plan 2

Overview: The purpose of this lesson is to have the student plan an intial strategy and action plan for a interface fire.

Competency: 2. **Plan the Initial Strategy and Action Plan.**

Learning Activities:

- _____ 1. PARTICIPATE in class discussions.
- _____ 2. TAKE notes.
- _____ 3. DISCUSS a case study in a small group for ten minutes and then present your findings to class.

Performance Assessment Activities:

- _____ 1. Complete homework assignments.
- _____ 2. Complete quiz.
- _____ 3. Participate in class.

Learning Plan 3-- Learning Plan 3

Overview: The purpose of this lesson is to have the student understand the elements to be considered in a Structure Triage.

Competency: 3. Explain the elements considered in a Structure Triage.

Learning Activities:

- _____ 1. ASK/ANSWER questions.
- _____ 2. PARTICIPATE in class discussions.
- _____ 3. TAKE notes.
- _____ 4. DISCUSS a case study in a small group for ten minutes and then present your findings to class.
- _____ 5. REVIEW objectives.

Performance

Assessment Activities:

- _____ 1. Complete homework assignments.
- _____ 2. Complete quiz.
- _____ 3. Participate in class.

Learning Plan 4-- Learning Plan 4

Overview: The purpose of this lesson is to have the student describe the tactics that should be employed in an interface fire incident.

Competency: 4. Describe the tactics that should be employed in an interface fire incident.

Learning Activities:

- _____ 1. PARTICIPATE in class discussions.
- _____ 2. TAKE notes.
- _____ 3. REVIEW objectives.

Performance

Assessment Activities:

- _____ 1. Complete homework assignments.
- _____ 2. Complete quiz.
- _____ 3. Participate in class.

Learning Plan 5-- Learning Plan 5

Overview: The purpose of this lesson is to have the student participate in a scenario to assess their own action plan.

Competency: 5. **Explain an Action Plan Assessment.**

Learning Activities:

- _____ 1. PARTICIPATE in a scenario that changes with updated weather information.
- _____ 2. PARTICIPATE in class discussions.
- _____ 3. TAKE notes.
- _____ 4. REVIEW objectives.

Performance Assessment Activities: _____ 1. Participate in scenario.

Learning Plan 6-- Learning Plan 6

Overview: The purpose of this lesson is to have the student describe the Public Relation component involved in an interface fire.

Competency: 6. **Describe the Public Relations component of an interface fire.**

Learning Activities:

- _____ 1. PARTICIPATE in class discussions.
- _____ 2. TAKE notes.
- _____ 3. DISCUSS a case study in a small group for ten minutes and then present your findings to class.
- _____ 4. REVIEW objectives.

Performance Assessment Activities: _____ 1. Complete homework assignments.
 _____ 2. Complete quiz.
 _____ 3. Participate in class.

Learning Plan 7-- Learning Plan 7

Overview: The purpose of this lesson is to have the student become familiar with the safety considerations they may encounter in interface operations.

Competency: 7. **Describe the safety considerations encountered in interface operations.**

Learning Activities:

- _____ 1. PARTICIPATE in class discussions.

- _____ 2. TAKE notes.
- _____ 3. DISCUSS in a small group.
- _____ 4. REVIEW objectives.

**Performance
Assessment Activities:**

- _____ 1. Complete homework assignments.
- _____ 2. Complete quiz.
- _____ 3. Participate in class.