

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: FFP 2810

COURSE TITLE: Fire Fighting Tactics and Strategy I

PREREQUISITE(S): None

COREQUISITE(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 3

CONTACT HOUR BREAKDOWN:

 Lecture/Discussion: 3

 Laboratory:

 Other _____:

FACULTY WORKLOAD POINTS: 3

STANDARDIZED CLASS SIZE ALLOCATION: 25

CATALOG COURSE DESCRIPTION:

This course is designed to cover basic factors involved in coping with the fire scene and determining the best use of available resources in protecting lives and property. The course emphasizes the dynamics of various fire scenes and the tactics and strategies that the fire officer can implement to effectively control and extinguish said fires. This course also provides methods for the fire officer to evaluate the effectiveness of his or her proposed Incident Action Plan.

SUGGESTED TEXT(S): Fire Fighting Principles and Practices, 2nd Ed., William Clark.

IMPLEMENTATION DATE: November 14, 1987

REVIEW OR MODIFICATION DATE: Fall Term, 2003 (20041)

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Fire Behavior	3
A. Combustion	
B. Heat	
C. Determining Flashover Time	
D. Flashover	
E. Backdraft	
II. The Mechanisms of Fire Extinguishment	6
A. Water Flow and Form	
B. Types of Fire Streams	
C. Disadvantages of Fog	
D. Firefighting Foams	
E. Fire-Extinguishing Chemicals	
III. The Development of Firefighting	6
A. Ladder Company Functions	
B. Staffing a Company	
C. Establishment of Rescue Companies	
D. Salvage	
E. Progress in Firefighting	
IV. Firefighting Strategy	6
A. Personnel Requirements	
B. Apparatus Response Time	
C. Communications	
D. Chain of Command	
E. Command Post	
F. Span of Control	
G. ICS	
V. Firefighting Tactics	6
A. Tactical Considerations	
B. Life Hazard	
C. Location of Fire	
D. Extension Probability	
E. Type of Fire	
F. Size of the Fire	
G. Analysis of the Fire Situation	

COURSE TOPICS (CONTINUED)

CONTACT HOURS
PER TOPIC

VI. The Action Plan	6
A. Finding the Fire	
B. Rescue	
C. Search	
D. Entry	
E. Ventilation	
F. Protection of Exposures	
G. Safety	
H. Communications	
I. Extinguishment	
J. Salvage	
K. Overhauling	
VII. Fireground Control and Coordination	6
A. Stress Situations	
B. Coordination	
C. Tactical Errors and Weaknesses	
D. Application of the Tactics	
VIII. Safety on the Fireground	6
A. Building Collapses	
B. Getting Lost	
C. Critical Incident Stress	

PROGRAM TITLE: Fire Science Technology
COURSE TITLE: Fire Fighting Tactics and Strategy I
CIP NUMBER: 0743.020100

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLE(S):

21.0 USE FIRE FIGHTING TACTICS AND STRATEGY--The student will be able to:

- 21.01 Identify and describe the factors of size-up that must be considered to determine procedures for control of an emergency situation.
- 21.02 Given an emergency incident requiring rescue and a list of available resources, shall demonstrate the utilization and coordination of personnel and equipment to complete the rescue operation.
- 21.03 Given a fire problem that would require the application of recognized principles of overhaul, shall describe or demonstrate the overhaul procedures necessary.
- 21.04 Given a structural fire condition requiring salvage operations, shall describe the salvage operation procedures and techniques necessary.
- 21.05 Given an emergency incident, shall describe how basic organizational principles would be applied.
- 21.06 Given an interior fire situation, shall: (a) evaluate the situation, (b) describe how to control the spread of fire within the building.
- 21.07 Given an exterior fire situation, shall: (a) evaluate the situation, (b) describe how to control the spread of fire to keep it from extending to adjacent buildings.
- 21.08 Describe ventilation procedures.
- 21.09 Given equipment and personnel, demonstrate the attack procedures required to control, confine, and extinguish a fire in each of the following simulated situations: (a) structures, (b) flammable liquids, (c) flammable gases, (d) hazardous materials.
- 21.10 Given an emergency incident requiring multiple company operations, analyze the situation and determine the resources required for control and demonstrate the assignment and placement of the resources.
- 21.11 Given a target hazard and all pertinent information, develop a pre-fire plan that will include the utilization of personnel, equipment, and extinguishing agents.



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

Section 1	
COURSE PREFIX AND NUMBER: <u>FFP 2810</u>	SEMESTER CREDIT HOURS (CC): <u>3</u> CONTACT HOURS (NCC): _____
COURSE TITLE: <u>Firefighting Tactics & Strategy I</u>	

Section 2
TYPE OF COURSE: (Click on the box to check all that apply)

<input type="checkbox"/> AA Elective	<input type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input checked="" type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____	<input type="checkbox"/> PSAV	<input type="checkbox"/> Apprenticeship
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

Section 3 (If applicable)
INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:

<input type="checkbox"/> Communications	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

Section 4
INTELLECTUAL COMPETENCIES:

<input checked="" type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input type="checkbox"/> Quantitative Skills	<input type="checkbox"/> Scientific Method of Inquiry
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

Section 5	LEARNING OUTCOMES	METHOD OF ASSESSMENT
•	Demonstrate knowledge of Fire Apparatus	Exam
•	Identify the function of a fire company	Exam
•	Describe the functions of a pumper company; aerial company; rural company; a crash fire rescue unit; and an elevated platform	Exam
•	Demonstrate knowledge of the strategies of fire control	Exam
•	Demonstrate safety procedures for: hostile environments; fire service lighting equipment; emergency operations as applied to: protective equipment; team concept; portable tools and equipment; riding an apparatus and hazardous materials incidents	Exam
•	Follow principles of effective supervision and leadership	Exam
•	Describe the advantages, disadvantages, and effects of various recognized styles of leadership	Exam

Section 6 Name of Person Completing This Form: <u>Dr. Deborah Mertz/Kenneth Ellison</u> Date: <u>10/9/2007</u>
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