

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: FFP 2702

COURSE TITLE: Principles of Emergency Services

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: 30

CATALOG COURSE DESCRIPTION:

This course provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/services; fire loss analysis, organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics.

SUGGESTED TEXT(S): Introduction to Fire Protection, Robert Klinff, Delmar

IMPLEMENTATION DATE: Fall Term, 2005 (20061)

REVIEW OR MODIFICATION DATE: Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Careers in the Fire Protection/Emergency Services	5
II. History	5
III. Fire Prevention and Public Education	5
IV. Scientific Terminology	5
V. Building Design and Construction	5
VI. Fire Detection and Suppression Systems	5
VII. The Role of Public and Private Support Organizations	5
VIII. Fire and Emergency Services Equipment and Facilities	5
IX. Management	5
Total	45 hours

PROGRAM TITLE: Fire Science Technology
COURSE TITLE: Principles of Emergency Services
CIP NUMBER: 0743.020100

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

01.0 DEMONSTRATE KNOWLEDGE OF FIRE DEPARTMENT ORGANIZATION AND PROCEDURES--The student will be able to:

- 01.01 Identify the organization of the fire department.
- 01.02 Identify the size of the fire department, the scope of its operation, and the standard operational procedures.
- 01.03 Identify the fire department rules and regulations that apply to the position of firefighter.
- 01.04 Identify responsibilities of the fire fighter in determining the point of origin, cause, and protection of evidence in fires.
- 01.05 Identify the components of the fire suppression organization in the authority having jurisdiction.
- 01.06 Define the authority and responsibility of each component of the fire suppression organization in the authority having jurisdiction.
- 01.07 Describe the lines of authority within the department.
- 01.08 Describe the duties and responsibilities of each rank in both line and staff functions.
- 01.09 Describe the chain of command of the fire ground organization in the authority having jurisdiction.

03.0 DEMONSTRATE KNOWLEDGE OF FIRE BEHAVIOR--The student will be able to:

- 03.01 Define the terms fire, flashover, and flame over.
- 03.02 Define the fire triangle and tetrahedron.
- 03.03 Identify two chemical, mechanical, and electrical energy heat sources.
- 03.04 Define the following potential stages of fire: (a) incipient; (b) flame spread; (c) hot smoldering; (d) flash over; (e) steady state; (f) clear burning.
- 03.05 Define the three methods of heat transfer.
- 03.06 Define the three physical stages of matter in which fuels are commonly found.
- 03.07 Define the hazard of finely divided fuels as they relate to the combustion process.
- 03.08 Define the terms flash point, fire point, and ignition temperature.
- 03.09 Define concentrations of oxygen in air as it affects combustion.
- 03.10 Identify three products of combustion commonly found in structural fires that create a life hazard.
- 03.11 Define the following units of heat measurement: (a) British Thermal Unit (BTU); (b) Fahrenheit (°F); (c) Celsius (°C); (d) Calorie (Cal); (e) Kilowatt (kw); (f) British Thermal Units/second (BTU/s); (g) Watt (w); (h) Megawatt (mw); (i) Joule (j).
- 03.12 Define the terms thermal balance and imbalance.

16.0 FOLLOW PRINCIPLES OF EFFECTIVE SUPERVISION AND LEADERSHIP--The student will be able to:

- 16.01 Describe the advantages, disadvantages, and effects of various recognized styles of leadership.

LIST PERFORMANCE STANDARD ADDRESSED: (continued)

NUMBER(S): TITLES(S):

- 16.02 Given a summary of the functions of a leader, (a) describe the officer's responsibility in promoting cooperation, and (b) describe how group cooperation may be obtained.
- 16.03 Identify the three types of verbal orders and demonstrate their use in each of the following situations: (a) during emergency situations, (b) in the station, (c) during training sessions.
- 16.04 Given a list of policies which may be used by a department, (a) describe how the various policies affect the officer, (b) describe the officer's role in interpreting the policies, (c) describe why accuracy, clarity, and impartiality are important in interpreting policy, (d) describe how to implement the policies in the leadership role.
- 16.05 Given the personnel rules of the department, describe how to deal fairly, firmly, and equally with subordinates.
- 16.06 Recognize the symptoms of employee-related problems in the areas of substance abuse, situational stress, and behavioral change, and indicate the appropriate action according to the policies and procedures established by the authority having jurisdiction.

17.0 EXPLAIN IMPORTANCE OF COMMUNITY RELATIONS--The student will be able to:

- 17.01 Describe how each of the following factors affects the behavior of groups within the community in relation to the fire department: (a) economic conditions, (b) religion, (c) race, ethnic, and age factors, (d) community, organizations, (e) family structure.
- 17.02 Explain procedures for handling citizen complaints, inquiries, and concerns.

25.0 USE FIRE COMPANY MANAGERIAL CONCEPTS AND PRINCIPLES--The student will be able to:

- 25.01 Develop a schedule for company: manpower, distribution, equipment maintenance, training and material allocations.
- 25.02 Describe essentials necessary for a good company training session.
- 25.03 Conduct a company training session.
- 25.04 Apply principles and concepts learned to case studies based upon fire company administrative operations.
- 25.05 Write typical company level reports.
- 25.06 Create a budget and payroll for the company.
- 25.07 Describe personnel selection and records.
- 25.08 Write a daily plan of operation.
- 25.09 Describe public relations and how it affects daily operation of a company.
- 25.10 List methods of procuring equipment and supplies.
- 25.11 Describe procedures to follow in maintenance of apparatus and equipment.
- 25.12 Write the procedures used in training of personnel and operations research.
- 25.13 Demonstrate communications, including receipt and transmission of alarms and routine calls.
- 25.14 Discuss fire prevention inspection services and enforcement of fire codes.
- 25.15 Conduct investigations to determine fire causes and factors contributing to the spread of fire, suppression of arson, and studies of fire experience.
- 25.16 Identify the most common causes of personal injury to the firefighter.

LIST PERFORMANCE STANDARD ADDRESSED: (continued)

NUMBER(S): TITLES(S):

- 25.17 Given specific hazards, develop an accident prevention program applicable to the officer's duty assignment.
- 25.18 Given actual or simulated accident and injury reports, evaluate the reports and describe appropriate prevention measures.
- 25.19 Given rules, regulations, directives, policies, and laws regarding safety practices: (a) demonstrate procedures.



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

<i>Section 1</i>	
COURSE PREFIX AND NUMBER: <u>FFP 2702</u>	SEMESTER CREDIT HOURS: <u>3</u>
COURSE TITLE: <u>Principles of Emergency Services</u>	

Section 2

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

<input type="checkbox"/> AA Elective	<input checked="" type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____		
<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

<i>Section 5</i>		
	LEARNING OUTCOMES	METHOD OF ASSESSMENT
•	describe and discuss the components of the history and philosophy of the modern day fire service	exam
•	analyze the basic components of fire as a chemical reaction, the major phases of fire, and examine to main factors that influence fire spread and fire behavior	exam and demonstration
•	discuss and describe the scope, purpose and organizational structure of fire and emergency services	exam and oral presentations
•	Compare and contrast effective management concepts for various emergency situations	exam

Section 6

Name of Person Completing This Form: Richard A Nelson, Dean Workforce Date: 05-20-05