

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: EVR 1639

COURSE TITLE: Hazardous Material Transportation, Storage & Disposal

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 explores regulations involving the transportation of hazardous materials and wastes. It includes manifests, generator and transportation standards, DOT hazard classes, placards, labels, markings and spill response.

SUGGESTED TEXT(S): Handling Hazardous Materials, J. J. Keller & Associates, Inc., 1999

2000 Emergency Response Guidebook, Label Master

IMPLEMENTATION DATE: Fall Term, 2004 (20051)

REVIEW OR MODIFICATION DATE:

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Introduction	9
A. Definitions	
B. ID Cross Reference	
C. Hazardous Materials Guide	
D. Hazardous Substances	
E. Radionuclides	
F. Marine Pollutants	
G. Special Provisions	
II. Shipping Paper and Manifest Requirements	3
A. Review Shipping Papers	
B. Shipper Certification	
C. Uniform Hazardous Waste Manifest	
III. Markings	3
A. Requirements	
B. Exemptions	
IV. Placarding	3
A. General	
B. Special Provisions	
V. Emergency Response Communication Standard	3
A. Information	
B. Accepting Shipment	
C. Carrier Information	
VI. Hazardous Materials Handling Program	3
A. Key Person	
B. Instruction of Personnel	
C. Pickup and Delivery	
D. Loading and Unloading	
VII. Handling Hazardous Waste	3
A. Identification	
B. EPA Transporter Number	

COURSE TOPICS (CONTINUED)	CONTACT HOURS <u>PER TOPIC</u>
C. Manifest D. Transfer Facility E. Package Marking	
VIII. Emergency Procedures	3
A. On the Highway B. Emergencies in the Terminal C. Required Notification	
IX. Public Relations in Emergencies	3
A. Introduction B. A Written Plan C. Positive Actions in Between	
X. Regulations	6
X1. Emergency Response Guidebook	6

PROGRAM TITLE: Environmental Science

COURSE TITLE: Hazardous Material Transportation, Storage & Disposal

CIP NUMBER: 0715059901/1715059901

LIST PERFORMANCE STANDARD(S) ADDRESSED:

NUMBER(S): TITLES(S):

08.0 DEMONSTRATE EMPLOYABILITY SKILLS - The student will be able to:

08.07 Identify acceptable work habits.

26.0 DEMONSTRATE KNOWLEDGE OF HAZARDOUS MATERIALS -- The student will be able to:

26.06 Define the basic classes of flammable and combustible liquids as defined by NFPA 30, Flammable and Combustible Code.

26.07 Identify the fire hazards associated with the storage, handling, and use of flammable and combustible liquids.

26.07 Identify the regulations and hazards attendant to the transfer of flammable and combustible liquids.

26.39 Identify the regulatory labeling and placarding systems used for flammable and combustible liquids identification.

26.40 Identify regulations relative to the transportation of flammable and combustible liquids within the jurisdiction.

26.41 Identify which agencies regulate the transportation of flammable and combustible liquids within the jurisdiction.

26.43 Identify the general properties of compressed and liquefied gases.

26.54 Identify the regulations relative to the transportation of compressed and liquefied gases.

26.55 Identify the agencies that regulate the transportation of compressed and liquefied gases.

26.60 Identify regulatory labeling and placarding regulations relative to compressed and liquefied gases.

26.63 Identify the regulations relative to the transportation of explosives, including fireworks, within the jurisdiction in which the inspector is employed.

26.65 Identify regulatory labeling and placarding systems relative to explosives, including fireworks.

26.69 Identify the regulatory labeling and placarding systems for various types and quantities of hazardous materials.



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>EVR 1639</u>	SEMESTER CREDIT HOURS: <u>3</u>
COURSE TITLE: <u>Hazardous Material Transportation, Storage and Disposal</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 checked="" 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"/> 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"/> Communication	<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 checked="" 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 type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

<i>Section 5</i>	
LEARNING OUTCOMES	METHOD OF ASSESSMENT
• student success	satisfactory course completion
• student success	classroom assessments
• demonstrate knowledge of hazardous materials	classroom assessments
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*Section 6*

Name of Person Completing This Form: Susan Malecki, 633-8218