

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: EVR 1640

COURSE TITLE: Hazardous Materials Regulations 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: 30

CATALOG COURSE DESCRIPTION:

This course offers a historical overview of occupational and environmental health issues. Students will study past and present legislation with an emphasis on the interpretation of the Department of Labor's Occupational Safety and Health Act (OSHA).

SUGGESTED TEXT(S):

Ostler and Nielsen, Prentice Hall's Environmental Technology Series Volume 2 Environmental Regulations Overview

CERCLA/SUPERFUND Orientation Manual EPA 542-R-92-005

RCRA Orientation Manual EPA 530-R-98-004

Title III SARA How to Comply Handbook
order Free NCEPI: 1 800-490-9198

EPA Regulations I (HMT 200)

IMPLEMENTATION DATE: Spring Term, 2004 (20042)

REVIEW OR MODIFICATION DATE:

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Introduction	7
A. Agency Overview	
1. CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act	
2. DOT: Department of Transportation	
3. FIFRA: Federal Insecticide, Fungicide and Rodenticide Act	
4. NCP: National Contingency Plan	
5. RCRA: Resource Conservation and Recovery Act	
6. SARA: Superfund Amendments and Reauthorization Act	
B. What is a Hazardous Waste	
C. Identification of a Hazardous Waste	
D. Notification of a Hazardous Waste Activity	
II. Regulation Enforcement	8
III. Superfund Relationships	7
IV. OSHA Requirements Relating to Workers	8
V. Transportation of Material	7
A. Overviews	
B. Packaging	
C. Labeling	
D. General Discussion of Carriers	
1. Motor Vehicles	
2. Air	
3. Water	
4. Rail	
VI. Materials Regulations	8
A. State of Florida Hazardous	
B. Duval County	
C. Clean Air Act	
D. Clean Water Act	

PROGRAM TITLE: Environmental Science
 COURSE TITLE: Hazardous Materials Regulations I
 CIP NUMBER: 0715059901/1715059901

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S):	TITLES(S):
01.0	Demonstrate knowledge of the principles of managing and remediation of water pollution.
01.06	Describe legal aspects and consequences of pollution.
01.10	Demonstrate the technology applied to non-point source pollution control (stormwater and agriculture runoff).
02.0	Demonstrate knowledge of the principles of managing and remediation of air pollution.
02.01	Define and discuss atmosphere, meteorology and topography.
02.04	Describe legal aspects and consequences of air pollution.
02.05	List the regulated parameters of emission for selected industrial sources.
03.0	Demonstrate awareness of environmental noise sources and their monitoring.
03.04	Discuss legal aspects and consequences of noise pollution.
03.06	Select the regulatory agency that controls noise sources.
03.07	List the control devices for different noise sources.
05.0	Sample, analyze and calculate data related to air and water pollutants.
05.02	Manipulate data and reach firm conclusions.
05.03	Write selected formal technical reports.
05.04	Identify and perform the correct analysis for selected air pollutants listed with state and federal regulations.
05.05	Identify and perform the correct analysis for selected parameters listed with state and federal regulations for wastewater effluent.
06.0	Demonstrate an awareness of radiation monitoring and radioactive contamination control.
06.07	Discuss legal aspects and consequences of radioactive pollution.
07.0	Demonstrate an awareness of solid waste, the problems engendered by solid waste accumulation and disposal and solutions to those problems.
07.04	Discuss the legal aspects and consequences of solid waste pollution.
07.10	Discuss those wastes that are permitted by state and federal regulation to be disposed at a landfill site.
08.0	Demonstrate employability skills.
08.01	Conduct a job search.
08.06	Identify or demonstrate appropriate responses to criticism from employer, supervisor, or other persons.
08.07	Identify acceptable work habits.



**Florida Community College
At Jacksonville**

**Course Learning Outcomes & Assessment
For All College Credit Courses**

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: EVR 1640	SEMESTER CREDIT HOURS: 3
COURSE TITLE: Hazmat Materials Regulations I	

Section 2

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

AA Elective
 AS Required Professional Course
 College Prep
 AS Professional Elective
 AAS Required Professional Course
 Technical Certificate
 Other
 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:

Communications
 Social & Behavioral Sciences
 Mathematics
 Natural Sciences
 Humanities

Section 4

INTELLECTUAL COMPETENCIES:

Reading
 Speaking
 Critical Analysis
 Quantitative Skills
 Scientific Method of Inquiry
 Writing
 Listening
 Information Literacy
 Ethical Judgment
 Working Collaboratively

<i>Section 5</i>		
LEARNING OUTCOMES		METHOD OF ASSESSMENT
•	Upon completion of course students will be able to:	
•	Understand the regulations that drive the field of environmental health and safety.	Group discussions, assignments, quizzes & tests, reports and/or demonstrate competency in the field.
•	Demonstrate knowledge of compliance and regulatory mechanisms of the U.S. government.	Group discussions, assignments, quizzes & tests, reports and/or demonstrate competency in the field.
•	Demonstrate understanding of the Department of Labor's Occupational Safety and Health Administration (OSHA) regulations.	Group discussions, assignments, quizzes & tests, reports and/or demonstrate competency in the field.
•	Understand the role of government in environmental regulation.	Group discussions, assignments, quizzes & tests, reports and/or demonstrate competency in the field.
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Section 6 Name of Person Completing This Form: **Carol Swinson** Date: **November 16, 2007**