

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: EVR 1635

COURSE TITLE: Hazardous Communication Standard

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:

Communications required by law are the major emphasis in this course, including the worker's and community's right to know. Also, the communication that must be available to emergency responders is addressed. Specific topics include materials safety data sheets (MSDS), proper labeling of containers and placarding according to NFPA requirements, and the preparation of a written program for an industry to follow to provide a safe working environment for employees and safe living conditions for the community.

SUGGESTED TEXT(S): Hazard Communication Standard 29 CFR 1910.1200
Florida "Right-to-Know" Law

IMPLEMENTATION DATE: Spring Term, 2004 (20042)

REVIEW OR MODIFICATION DATE:

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Introduction	10
A. OSHA Hazard Communication Standard	
B. Florida "Right-to-Know" Law	
C. Understanding Physical and Health Hazards	
D. Conducting a Chemical Inventory	
E. Maintaining and Updating Current Inventory	
F. Hazard Determination	
G. Chemical Storage Concerns	
II. Labeling and Placarding Requirements	10
A. NFPA System and sign requirement	
B. Health	
C. Hazard Ratings	
1. Flammability	
2. Reactivity	
D. Public Safety	
E. Emergency Response	
III. Material Safety Data Sheets	10
A. Hazardous Ingredients	
B. Identity Information	
C. Physical and Chemical Characteristics	
D. Hazard Data	
1. Fire and Explosion	
2. Reactivity	
3. Health	
E. Toxicity	
1. Acute	
2. Chronic	
F. Genetic Disorders	
G. First Aid	
H. Precautions for Safe Handling	
I. Control Measures	
IV. Hazard Communication	15
A. Training Requirements	
B. Developing a Training Program	
C. Organizing Course Content	
D. Implementing Training Program	
E. Briggs Nine Events of Instruction	
F. Evaluating a Training Program	
G. Guide to Planning Training Programs	

PROGRAM TITLE: Environmental Science
 COURSE TITLE: Hazardous Communication Standard
 CIP NUMBER: 0715059901/1715059901

LIST PERFORMANCE STANDARD ADDRESSED:

- | NUMBER(S): | TITLES(S): |
|------------|---|
| 01.0 | <u>DEMONSTRATE KNOWLEDGE OF THE PRINCIPLES OF MANAGING AND REMEDIATION OF WATER POLLUTION</u> --The student will be able to:

01.04 Describe the marine environment.
01.10 Demonstrate the technology applied to non-point source pollution control (stormwater and agriculture runoff). |
| 02.0 | <u>DEMONSTRATE KNOWLEDGE OF THE PRINCIPLES OF MANAGING AND REMEDIATION OF AIR POLLUTION</u> --The student will be able to:

02.01 Define and discuss atmosphere, meteorology and topography.
02.06 List the types of air pollution control devices used to control emissions of sulfur oxides, nitrogen oxides, particulates and volatile organic contaminants. |
| 03.0 | <u>DEMONSTRATE AWARENESS OF ENVIRONMENTAL NOISE SOURCES AND THEIR MONITORING</u> --The student will be able to:

03.05 List the sources of noise.
03.07 List the control devices for different noise sources. |
| 07.0 | <u>DEMONSTRATE AN AWARENESS OF SOLID WASTE, THE PROBLEMS ENGENDERED BY SOLID WASTE ACCUMULATION AND DISPOSAL AND SOLUTIONS TO THOSE PROBLEMS</u> --The student will be able to:

07.04 Discuss the legal aspects and consequences of solid waste pollution.
07.05 Identify the solid wastes from domestic households, municipalities and industry.
07.06 Identify a sanitary landfill.
07.08 Discuss the possibilities of contaminates (leachates) seeping into the groundwater.
07.10 Discuss those wastes that are permitted by state and federal regulation to be disposed at a landfill site. |
| 08.0 | <u>DEMONSTRATE EMPLOYABILITY SKILLS</u> --The student will be able to:

08.01 Conduct a job search.
08.02 Secure information about a job.
08.04 Complete a job application. |



**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.

Section 1	
COURSE PREFIX AND NUMBER: EVR 1635	SEMESTER CREDIT HOURS: 3
COURSE TITLE: Hazardous Communication Standard	

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**

Section 5		
LEARNING OUTCOMES		METHOD OF ASSESSMENT
•	Upon completion of course students will be able to:	
•	Understand the basic principles of hazard communications as required by law and workers and community right to know.	Group discussions, assignments, quizzes & tests, reports and/or demonstrate competency in the field.
•	Demonstrate knowledge of required emergency responder's communications.	Group discussions, assignments, quizzes & tests, reports and/or demonstrate competency in the field.
•	Demonstrate understanding of material safety data sheets (MSDS), proper labeling of containers and placards according to National Fire Protection Association (NFPA) requirements.	Group discussions, assignments, quizzes & tests, oral presentations, reports and/or demonstrate competency in the field.
•	Prepare a written hazard communications program for an industry to follow providing a safe work and community environment.	Group discussions, assignments, quizzes & tests, reports, oral presentations, creative projects, and/or demonstrate competency in the field.

Section 6 Name of Person Completing This Form: **Nikki Pierce** Date: **November 16, 2007**