

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: EVR 1030

COURSE TITLE: Environmental Compliance

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 will focus on how environment compliance is achieved in Northeast Florida via federal, state, and local programs. Topics will include environmental regulations, policies, procedures, and enforcement, with emphasis placed on developing a holistic approach to the environment through field, office, lab, and legal procedures. In addition, students will learn to develop and implement a Hazard Communication Program for employees; to identify, label and placard hazards; to complete material safety data sheets; and to develop, implement, and evaluate an effective hazard communication training program.

SUGGESTED TEXT(S): Hazard Communication Standard 29 CFR 1910.1200

Student's State "Right-to-Know" Law

Student Handout Packet

IMPLEMENTATION DATE: Spring Term, 2004 (20042)

REVIEW OR MODIFICATION DATE:

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Introduction to Environment Compliance and Regulations	9
A. Federal, state, and local policies and regulations	
1. OSHA Hazard Communication Standard	
2. State "Right-to-Know" Law	
B. Workplace physical and health hazards	
C. Chemical inventories and storage concerns	
D. Hazard determination	
II. Labels and Placards	9
A. Labeling and placarding requirements	
B. NFPA System and sign requirements	
C. Health, flammability, and reactivity hazard ratings	
D. Public safety and emergency response	
III. Material Safety Data Sheets	9
A. Hazardous ingredients, identity information, physical and chemical characteristics	
B. Fire and explosion hazard data, reactivity data, health hazard data - toxicity, acute/chronic	
C. Genetic disorders, first aid, precautions for safe handling, control measures	
IV. The Written Program	9
A. Written inventory and labeling systems	
B. Written MSDS system	
C. Written training program	
V. HAZCOM Training - Teaching versus Learning	9
A. Training program development	
i. Identifying training needs	
ii. Writing performance standards	
iii. Organizing content and selecting materials	
iv. Evaluating training program	
B. Learning principles, learning/teaching activities	
C. Briggs nine events of instruction	

PROGRAM TITLE: Environmental Science
 COURSE TITLE: Environmental Compliance
 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.
01.04	Describe the marine environment.
01.06	Describe legal aspects and consequences of pollution.
02.0	Demonstrate knowledge of the principles of managing and remediation of air pollution.
02.02	Identify natural and manmade pollutants; their sources, effects, and control techniques.
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.
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.
06.02	Discuss types and sources of radiation.
06.04	Discuss the immediate and long range effects of radiation on animals and plants.
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.
08.04	Complete a job application.
08.06	Identify or demonstrate appropriate responses to criticism from employer, supervisor, or other persons.
08.07	Identify acceptable work habits.
08.09	Demonstrate acceptable employee health 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.

Section 1	
COURSE PREFIX AND NUMBER: EVR 1030	SEMESTER CREDIT HOURS: 3
COURSE TITLE: Environmental Compliance	

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 environmental compliance in Northeast Florida via federal, state and local programs.	Group discussions, assignments, quizzes & tests, reports and/or demonstrate competency in the field.
•	Demonstrate knowledge of environmental regulations, policies, procedures and enforcement by developing and using a holistic approach to the environment through field, office, lab, and legal procedures.	Group discussions, assignments, quizzes & tests, creative projects, reports and/or demonstrate competency in the field.
•	Develop and implement a Hazard Communication Program for employees using material safety data sheets and labels and placards for hazards.	Group discussions, assignments, quizzes & tests, creative projects, oral presentations, reports and/or demonstrate competency in the field.
•	Develop implement and evaluate an effective hazard communication training program.	Group discussions, assignments, tests, reports, creative projects, oral presentations, and/or demonstrate competency in the field.

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