

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: BCN 2732

COURSE TITLE: OSHA Safety

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 imparts the knowledge essential to safe practices in industry. Included in the course are an examination of current industrial safety management methods and the major provisions of the Occupational Safety and Health Act.

SUGGESTED TEXT(S): National Safety Council. Supervisors Safety Manual.  
Chicago: National Safety Council, 9<sup>th</sup> Edition (1997)

IMPLEMENTATION DATE: April 9, 1984

REVIEW OR MODIFICATION DATE: Fall Term, 1994 (951)  
Fall Term, 2002 (20031)  
Fall Term, 2006 (20071) (was ETI 1700)  
Fall Term, 2007 (20081) (was ETI 1701)  
Fall Term, 2008 (20091) - Outline Review 2007

## COURSE TOPICS

Rationale: This course examines the industrial safety problems associated with basic industrial operations and the methods available for their control. Additionally, the provisions of the Occupational Safety and Health Act as well as common procedures used to promote industrial safety and eliminate or reduce industrial accidents are examined.

Intent: The Intent is to develop a safety awareness in general as well as an understanding of:

1. The hazards associated with industrial operations.
2. Accident prevention fundamentals.
3. Accident costs and the methods used to evaluate costs.
4. Major provisions of the Occupational Safety and Health Act.
5. Methods used to develop an effective safety program.

Suggested Distribution:CONTACT HOURS  
PER TOPIC

I.	Industrial Safety Fundamentals	11
	A. Safety Awareness	
	B. History of Industrial Safety	
	C. Accident Costs	
	D. Calculating Injury Frequency, Severity, and Incidence Rates	
	E. Injury Sources, Causes, and Distribution	
	F. Accident Investigation and Reports	
II.	Industrial Health Hazards	8
	A. Noise	
	B. Radiation Hazards	
	C. Physical Stresses	
	D. Chemical Stresses	
III.	Personal Protective Equipment	2
IV.	Industrial Housekeeping and Maintenance	2
V.	Materials Handling and Storage	2

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
VI. Guarding Machines and Mechanisms	2
VII. Hand and Portable Power Tools	2
VIII. Low Voltage Electrical Hazards	2
IX. Fire Protection	2
X. Job Safety Analysis	2
XI. Methods of Promoting Interest in Safety	3
A. Human Relations B. Maintaining Interest in Safety C. Instructing for Safety	
XII. Occupational Safety and Health Act	2
XIII. Exams, Review, and Summaries	5

PROGRAM TITLE: Civil Engineering Technology

COURSE TITLE: Industrial Safety

CIP NUMBER: 0715.020101

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S) TITLES(S):

07.0 USE PRACTICAL CONCEPTS STUDIED IN HUMAN RELATIONS TO ON-THE-JOB APPLICATION IN BUSINESS AND INDUSTRY--The student will be able to:

- 07.01 Adapt learnings to job situations.
- 07.02 Recognize lines of authority from organizational charts.
- 07.03 Modify language to work situations.

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

- 19.01 Conduct a job search.
- 19.02 Secure information about a job.
- 19.03 Identify documents that may be required when applying for a job.
- 19.04 Complete a job application.
- 19.05 Demonstrate competence in job interview techniques.
- 19.06 Identify or demonstrate appropriate responses to criticism from employer, supervisor, or other persons.
- 19.07 Identify acceptable work habits.
- 19.08 Demonstrate knowledge of how to make job changes appropriately.
- 19.09 Demonstrate acceptable employee health habits.



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: <b>BCN 2732</b>	SEMESTER CREDIT HOURS: <b>3</b>
COURSE TITLE: <b>OSHA Safety</b>	

*Section 2*

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

<input type="checkbox"/> AA Elective	x	<input checked="" type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input checked="" type="checkbox"/> AS Professional Elective	<input type="checkbox"/>	<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 checked="" type="checkbox"/> Quantitative Skills	<input checked="" 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 type="checkbox"/> Working Collaboratively

<i>Section 5</i>	
LEARNING OUTCOMES	METHOD OF ASSESSMENT
• STUDENT WILL BE ABLE TO UNDERSTAND OSHA SAFETY AS APPLIED TO THE WORK ENVIRONMENT.	LECTURE/PROJECTS/EXAMS,PROJECTS
• INTERPRET, APPLY OSHA SAFETY.	LECTURE/PROJECTS/EXAMS,PROJECTS
• UNDERSTANDS HOW OSHA PERFORMS SAFETY INSPECTIONS.	LECTURE/PROJECTS/EXAMS,PROJECTS
• UNDERSTANDS HOW TO INSPECT A WORK SITE	LECTURE/PROJECTS/EXAMS, PROJECTS
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*Section 6*

Name of Person Completing This Form: **JOHN ADCOX** Date **11/03/06**