

CATALOG INFORMATION

Dept and Nbr: IED 110

Title: INDUSTRIAL SHOP PRACTICE

Full Title: Industrial Shop Practices

Last Reviewed: 11/5/2001

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	2.00	8	Lecture Scheduled	16.00
Minimum	1.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	16.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 32.00

Total Student Learning Hours: 48.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

Catalog Description:
Introduction to industrial shop practices, including shop safety and the use and maintenance of hand, shop and precision tools and equipment. Includes discussion of workplace environment and labor/management issues, shop expectations, practices, routines and career opportunities.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: Introduction to industrial shop practices, including shop safety and the use and maintenance of hand, shop and precision tools and equipment. Includes discussion of workplace environment and labor/management issues, shop expectations, practices, routines and career opportunities. (Grade Only)
Prerequisites/Corequisites:
Recommended:

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:

IGETC:	Transfer Area	Effective:	Inactive:
---------------	----------------------	------------	-----------

CSU Transfer:	Effective:	Inactive:
----------------------	------------	-----------

UC Transfer:	Effective:	Inactive:
---------------------	------------	-----------

CID:

Certificate/Major Applicable:

Not Certificate/Major Applicable

COURSE CONTENT

Outcomes and Objectives:

The student will:

1. Describe general and specific industrial shop safety standards and practices.
2. Explain the appropriate use and maintenance of hand, shop, and precision tools and equipment.
3. Describe the safe use of forklifts, overhead cranes, and other material handling equipment.
4. Evaluate labor / management issues in the workplace.
5. Discuss occupational survival skills.
6. Identify and evaluate the occupations for which students will be prepared.

Topics and Scope:

- I. Shop safety standards and practices
 - a. Cleanliness and order in the workplace
 - b. Proper lifting procedures
 - c. Fire and disaster procedures
 - d. Environmental health and safety compliance
- II. Career Information
 - a. Categories of industrial occupations
 - b. Wages, salaries, benefits
 - c. Local and regional opportunities
- III. Use and maintenance of hand, shop, and precision tools
 - a. Precision measuring tools
 - b. Hand and shop tools
 - c. Tool and equipment maintenance
- IV. Material handling equipment

- a. Lifting and carrying devices
- b. Overhead lifting equipment
- c. Material hauling and transferring
- V. Workplace environment
 - a. Labor / Management issues
 - b. Shop expectations, practices, and routines
 - c. Work ethics

Assignment:

1. Classroom discussion and role-playing activities
2. Readings and written exercises

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework, Written exercises.

Writing
15 - 20%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Measurements.Precision tool measurements.

Problem solving
10 - 40%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations
0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items, Completion

Exams
30 - 60%

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation.

Other Category
10 - 20%

Representative Textbooks and Materials:

Diesel Technology Safety Skills, Student Edition, MAVCC, 1996.
Instructor and industry handouts.