

BARSTOW COMMUNITY COLLEGE COURSE OUTLINE –**BCTT 54****Dept & Nbr:** BCTT 54**Abbrev Title:** Safety Orientation**Full Title:** Safety Orientation**Title 5 Category:** Associate Degree Applicable**Old Number:**

Units	Course Hrs Per Week	Nbr of Weeks	Course Hrs Total
Max: 1.0	Lecture 1.0	18	Lecture 18.0
Min: 0.0	Lab 0.0		Lab 0.0
	Contact DHR 0.0		Contact DHR 0.0
	Contact Total 1.0		Contact Total 18.0
	Non-contact DHR 0.0		Non-contact DHR 0.0

Method of Instruction: Lecture and Online**Selected Topic:** None**Grading:** Option (A-F)**Concurrent Course:** None**Equivalent Course:** None**Repeat Code:** May be taken two times with a grade of less than "C"**Basic Skills** 0: This is not a basic skills class**CATALOG DESCRIPTION:**

Provides participants with a general overview of the most common job-site hazards and their related safety guidelines. Meets requirements for OSHA 10-hour course.

PREREQUISITES: None**COREQUISITES:** None**RECOMMENDED PREPARATION:** None**CONTENT:**

- I.** Introduction to Safety Orientation
- II.** Hazard Recognition, Evaluation, and Control
- III.** Construction Health
- IV.** Personal Protective Equipment (29CFR 1926 Subpart E)
- V.** Signs, Signals, and Barricades (29 CFR 1926 Subpart G)
- VI.** Housekeeping (29CFR 1926.25)
- VII.** Electrical Safety (29CFR1910.333)
- VIII.** Fire Protection and Prevention (29 CFR 1926 Subpart F)
- IX.** Hand and Power Tool Safety (29 CFR 1926 Subpart I)
- X.** Elevated Work and Fall Protection (29CFR 1926 Subpart M)
- XI.** Work Permit Systems
- XII.** Trenching Safety (29CFR 1926 Subpart P)
- XIII.** Materials Handling and Storage
- XIV.** Emergency Response (CFR 1926 Subpart C)
- XV.** Specialty Work

STUDENT LEARNING OUTCOMES

A. Define Learning Outcomes of this course

Upon successful completion of this course the student will be able to:

1. Explain the ideas of a safety culture and its importance in the industrial maintenance crafts.
2. Identify causes of accidents and the impact if accident costs.
3. Explain the roles of OSHA and MSHA on job-site safety.
4. Recognize hazards associated with improper Lockout tag out.
5. Identify hazards associated with working at heights, scaffolding, ladders and stairs.
6. Identify hazards associated with caught-in-between, pinch points and overhead lifting.
7. Demonstrate the proper use of personal protective equipment (PPE) and explain the use of a JSA.

B. Critical Thinking Tasks/Assignments:

COURSE-LEVEL STUDENT LEARNING OUTCOMES:

1. Identify and articulate high-hazard areas working around or on heavy equipment, and how accidents impact health and the working environment

Assessment Method(s): quizzes, exams, job safety analysis

- Communication.
- Critical Thinking.
- Personal/Professional Development.

2. Explain the roles of Occupational Safety and Health Administration (OSHA) regarding job site safety, the General duty Clause and 1926 CRF Subpart C, and Mine Safety and Health Administration (MSHA)

Assessment Method(s): quizzes, exams, safety observation paper

- Communication.
- Critical Thinking.
- Personal/Professional Development

3. Explain and demonstrate hazard recognition, general safety, procedures associated with fall, electrical, fire, trenching, material handling and heavy equipment use. Demonstrate a lockout tag out.

Assessment Method(s): group discussions, presentation, quizzes

- Communication.
- Critical Thinking.
- Personal/Professional Development

C. Measurement of Student Learning Outcomes:

1. Substantial writing assignments, including:

- Written homework
- Reading reports

2. Computational or non-computational problem-solving demonstration, including:

- Exams
- Quizzes
- Homework problems

3. Skill demonstration, including:

- Class performance

4. Objective examinations, including:

- Multiple choice
- Completion
- True /False
- Short answers
- Matching

5. Other

- Attendance

BASIS FOR GRADES:

Writing Assignments	20%
Problem-Solving	20%
Skill Demonstrations	10%
Objective Examinations	30%
Attendance	<u>20%</u>
Total	100%

REQUIRED READING, WRITING AND OTHER OUTSIDE-OF-CLASS ASSIGNMENTS:

Over an 18 week presentation of the course three hours of study are required for each unit of credit. Two hours of independent work done out of class are required for each hour of lecture. Outside of the regular class time the students in this class will be doing the following:

- Study
- Answer questions
- Skills practice
- Required reading
- Problem solving activity or exercise
- Written work (essay/compositions/report/analysis/research)
- Observation of or participation in an activity related to course content

TEXTS/MATERIALS

NCCER, Introductory Skills for the Crew Leader, Prentice Hall 2003 or equivalent

Submitted by: Roland O'Neal

Area Department: Building Construction Trades Technology

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Instructional Vice President Approval: Stephen Eaton AAVP

Curriculum Committee Approval Date: 02 Mar 2015

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