

Course Outline

COURSE: CARP 201 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Fall 2016 **Inactive Course**

SHORT TITLE: WORKER SAFETY & TOOL SKILLS

LONG TITLE: Worker Safety and Tool Skills

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
1.5	1	Lecture:	18	18
		Lab:	18	18
		Other:	0	0
		Total:	36	36

COURSE DESCRIPTION:

This course will examine possible hazards of the construction site and the methods used to protect the worker from those hazards. Students will become familiar with California workplace safety regulations designed to protect the worker from the hazards of employment, and students will gain the experience necessary to safely use a selected group of power tools.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: C - Credit - Degree Non Applicable

GRADING MODES

L - Standard Letter Grade

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

02 - Lecture and/or discussion

03 - Lecture/Laboratory

04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:

1. The student will examine and evaluate the hazards in electrical and power systems and describe how to avoid injury or danger.

Measure: Written Exams, Multiple choice

PLO: 1

ILO: 3, 6, 7

GE-LO:

Year assessed or anticipated year of assessment: 2012-13

2. The student will explain, describe, and demonstrate use of fall protection equipment and anchor points.

Measure: Class performance

PLO: 1

ILO: 3, 6, 7

GE-LO:

Year assessed or anticipated year of assessment: 2012-13

PROGRAM LEARNING OUTCOMES:

1. Demonstrate journey level skills, including those skills necessary to build all concrete infrastructures that comprise the California transportation system.
2. Locate on the blueprints and in the specifications, the information needed to construct various types of structures and assemble its various components.
3. Perform horizontal layout and vertical layout of wood framed wall components. Install interior and exterior trims and moldings. Construct various types of roofs and stairs.

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Inactive Course: 11/28/2016

Out-of class assignments: For each topic, the student will read chapters and do homework assignments at the end of those chapters.

4 Lect/2 lab

A. The basic law regulating workplace safety, employer, and employee responsibilities.

SLO: The student will examine and evaluate the workplace safety issues for both employer, and employee.

B. Organization and content of the Construction Safety Orders.

SLO: The student will examine, evaluate, and list the parts of the Construction Safety Orders.

Assignments: Read the chapters covered in the lecture and do the homework exercises at the end of the chapters. Locate and read in the text or online laws regulating workplace safety and Construction Safety Orders.

4 lec/5 lab

C. Job site electrical hazards, temporary power systems, GFCIs, and double insulated tools.

SLO: The student will examine and evaluate the hazards in electrical and power systems and describe how to avoid injury or danger.

D. Scaffolds, 5 scaffold hazards, scaffold defects, and scaffold use

SLO: The student will examine, evaluate, and demonstrate correct use of scaffolds.

E. Rolling towers, hazards and safety rules specific to rolling towers

SLO: The student will examine and evaluate the hazards and safety issues specific to rolling towers.

Assignments: Read the chapters covered in the lecture and do the homework exercises at the end of the chapters. Locate and read in the text or online regarding hazards with electrical, scaffolds, and rolling towers and describe these hazards.

Mid-term exam

4 lec/6 lab

F. Personal fall protection equipment and anchor points

SLO: The student will explain, describe, and demonstrate use of fall protection equipment and anchor points.

12/5/2016

G. Portable electric saws, saw hazards, saw blades, and saw maintenance.

SLO: The student will appraise, analyze the safe use of saws and demonstrate the safe use of saws.

H. The safe use of the skilsaw.

SLO: The student will appraise, analyze, and demonstrate the safe use of the skilsaw.

I. The hazards and safety features of chainsaw.

SLO: The student will explain hazards and safety features of chainsaw, and demonstrate their safe use.

J. The safe use of the chainsaw.

SLO: The student will appraise and analyze hazards and safety features of chainsaw, and demonstrate their safe use.

Assignments: Read the chapters covered in the lecture and do the homework exercises at the end of the chapters. Locate and read in the text or online regarding hazards with portable saws, skilsaws, and chainsaws and describe their hazards and protection methods used to prevent injury.

4 lec/5 lab

K. Features, hazards, and safe use of portable air compressors and pneumatic nailers.

SLO: The student will appraise and analyze features, hazards, and safe use of portable air compressors and pneumatic nailers.

L. Portable compressor systems

SLO: The student will appraise and analyze features, hazards, and safe use of portable compressor compressors and pneumatic nailers

M. The safe use of a pneumatic nailer.

SLO: The student will appraise, analyze and demonstrate the safe use of a pneumatic nailers.

Assignments: Read the chapters covered in the lecture and do the homework exercises at the end of the chapters. Locate and read in the text or online regarding hazards with compressors and nailers and describe their hazards and protection methods used to prevent injury.

2.0 Hours

METHODS OF INSTRUCTION:

A. Lecture and discussion

B. Visual aids

C. Demonstrations

D. Group hands-on exercise

E. Individual hands-on exercise

F. One-on-one hands-on instruction

METHODS OF EVALUATION:

The types of writing assignments required:

Written homework

Reading reports

Lab reports

Essay exams

The problem-solving assignments required:

Homework problems

Lab reports

Quizzes

Exams

The types of skill demonstrations required:

Class performance

Field work

Performance exams

The types of objective examinations used in the course:

Multiple choice

True/false

Matching items

Completion

Other category:

None

The basis for assigning students grades in the course:

Writing assignments: 10% - 30%

Problem-solving demonstrations: 10% - 40%

Skill demonstrations: 20% - 70%

Objective examinations: 10% - 30%

Other methods of evaluation: 0% - 0%

REPRESENTATIVE TEXTBOOKS:

Required:

Leonard A. Koel, Barclay Construction Safety Orders Book 1 & 2, CTCNC Worker Safety and Tool Skills. Carpentry 6th edition, Current editions, American Technical Publishers, Thomson West, CTCNC, 2013. Or other appropriate college level text.

Reading level of text, Grade: 10 Verified by: publisher/dvt

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Not Transferable

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 1 Program Applicable

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department:

CSU Crosswalk Course Number:

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: A

Maximum Hours:

12/5/2016

Minimum Hours:

Course Control Number: CCC000500334

Sports/Physical Education Course: N

Taxonomy of Program: 095210