

Course Outline

COURSE: CARP 200 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Fall 2016 **Inactive Course**

SHORT TITLE: INTRODUCTION TO APPRENTICESHIP

LONG TITLE: Introduction to Apprenticeship

<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:	22	22
		Lab:	14	14
		Other:	0	0
		Total:	36	36

COURSE DESCRIPTION:

Introduction to Apprenticeship is designed to make the apprentice familiar with the tools and skills to be successful in construction. This includes hazard awareness, safe use of selected power tools, review of mathematics used in construction and understanding the Union and apprentice's role and responsibilities.

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. Locate specific safety regulations in the Construction Safety Orders.

Measure: written exam

ILO: 3,7

2. Describe the electrical hazards on a construction site and the methods used to eliminate those hazards.

Measure: oral exam

ILO: 1,7

3. Given a scaffold, locate any defects present.

Measure: demonstration

ILO: 7

4. Erect a rolling tower scaffold.

Measure: project

ILO: 7

5. Describe the fall protection methods used on the construction site.

Measure: written and oral exam

ILO: 1,7

6. Correctly don personal fall protection equipment and select the best anchor point consistent with the task.

Measure: demonstration

ILO: 1,7

7. Use a skilsaw and chainsaw to complete a variety of cuts.

Measure: demonstration

ILO: 7

8. Demonstrate the safe use of a pneumatic nailer.

Measure: demonstration

ILO: 7

9. Demonstrate the safe use of the electric screwgun, drill motor, and rotary hammer.

Measure: demonstration

ILO: 7

10. Describe the health hazards of lead and asbestos exposure.

Measure: written and oral exam

ILO: 1,7

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

Inactive Course: 11/28/2016

1 Hours

Content: Lecture: Introduction

Student Performance Objectives (SPO):

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

1 Hours

Content: LAB: Measurement Exercises

Student Performance Objectives (SPO): Accurately measure and layout objects with a tape measure.

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

2 Hours

Content: Lecture: Conversions (inches and fractions to decimals, etc.)

Student Performance Objectives (SPO): Convert from feet, inches and fractions to feet and decimal parts of a foot and vice versa.

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

12/5/2016

1 Hours

Content: Lecture: Introduction to safety and electrical safety

Student Performance Objectives (SPO): The student will examine and evaluate the workplace safety issues for both employer and employee. The student will examine and describe the electrical hazards on a construction site and the methods used to eliminate those hazards.

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

1 Hours

Content: Lecture: Use of skilsaw

Student Performance Objectives (SPO):

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

3 Hours

Content: LAB: Practice use of skilsaw, assemble base of project

Student Performance Objectives (SPO): The student will correctly use a skilsaw to complete a variety of cuts.

Out-of-Class Assignments:

2 Hours

Content: Lecture: Right triangle and diagonals

Student Performance Objectives (SPO):

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

3 Hours

Content: Lecture: Scaffold Use

Student Performance Objectives (SPO): The student will locate and defects present on a given scaffold.

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

2 Hours

Content: LAB: Building a rolling scaffold

Student Performance Objectives (SPO): Student will erect a rolling scaffold.

Out-of-Class Assignments:

2 Hours

Content: LAB: Compressor and nail gun, nail-off base project

Student Performance Objectives (SPO): Student will demonstrate the safe use of a pneumatic nailer.

Out-of-Class Assignments:

2 Hours

Content: Lecture: Perimeter and area of various shapes

Student Performance Objectives (SPO): Student will determine the perimeter, area and volume of a rectangular, triangular and circular objects.

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

2 Hours

Content: Lecture: Apprentice and the trade

Student Performance Objectives (SPO): Student will describe the obligations that exist between the apprentice, the union and the employer.

12/5/2016

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

2 Hours

Content: LAB: Fall protection

Student Performance Objectives (SPO): Student will correctly don personal fall protection equipment and select the best anchor point consistent with the task.

Out-of-Class Assignments:

3 Hours

Content: LAB: Screw gun; nail projects together, install drywall and screw it off

Student Performance Objectives (SPO): Student will demonstrate the safe use of a screw gun.

Out-of-Class Assignments:

2 Hours

Content: Lecture: Volume of various objects

Student Performance Objectives (SPO): Student will calculate the amount of concrete required for a wall, floor or roof slab and a column.

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

4 Hours

Content: Lecture: Discrimination in the workplace LAB: 1 hour, dismantle projects

Student Performance Objectives (SPO): Student will identify the conduct that characterizes workplace discrimination and harassment.

Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

3 Hours

Final

METHODS OF INSTRUCTION:

Lectures, demonstrations, multimedia presentations, discussions, and hands-on lab activities.

METHODS OF EVALUATION:

CATEGORY 1 - The types of writing assignments required:

Percent range of total grade: 5 % to 5 %

Written Homework

If this is a degree applicable course, but substantial writing assignments are NOT appropriate, indicate reason:

Course primarily involves skill demonstration or problem solving

CATEGORY 2 - The problem-solving assignments required:

Percent range of total grade: 10 % to 25 %

Field Work

Quizzes

CATEGORY 3 - The types of skill demonstrations required:

Percent range of total grade: 40 % to 50 %

Class Performance/s

Field Work

Performance Exams

CATEGORY 4 - The types of objective examinations used in the course:

Percent range of total grade: 30 % to 40 %

Multiple Choice

True/False

Matching Items

REPRESENTATIVE TEXTBOOKS:

McNamee, Jim, Introduction to Apprenticeship, Carpenters Training Committee for Northern California, 2009, or other appropriate college level text.

Reading level of text, Grade: 14 Verified by: Typed into MS Word

Other textbooks or materials to be purchased by the student:

Construction Safety Orders, CALOSHA, current edition.

McNamee, Jim, Apprentice and the Trade-Discrimination in the Workplace, Carpenters Training Committee for Northern California, 2009

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:

Minimum Hours:

Course Control Number: CCC000528127

Sports/Physical Education Course: N

Taxonomy of Program: 095210