Course Outline

COURSE: CARP 200    DIVISION: 50

TERM EFFECTIVE: Fall 2016  Inactive Course

SHORT TITLE: INTRODUCTION TO APPRENTICESHIP

LONG TITLE: Introduction to Apprenticeship

<table>
<thead>
<tr>
<th>Units</th>
<th>Number of Weeks</th>
<th>Type</th>
<th>Contact Hours/Week</th>
<th>Total Contact Hours</th>
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<td>1.5</td>
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<td>Lecture:</td>
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<tr>
<td></td>
<td></td>
<td>Lab:</td>
<td>14</td>
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<td>Other:</td>
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<td>Total:</td>
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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

12/5/2016 1
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 skillsaw 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 skillsaw
Student Performance Objectives (SPO):
Out-of-Class Assignments: Read chapters and do homework assignments on those chapters.

3 Hours
Content: LAB: Practice use of skillsaw, assemble base of project
Student Performance Objectives (SPO): The student will correctly use a skillsaw 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:
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