

**ADLTED 747A Course Outline as of Fall 2024****CATALOG INFORMATION**

Dept and Nbr: ADLTED 747A Title: CARPENTRY I

Full Title: Carpentry I

Last Reviewed: 10/23/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	17.5	Lecture Scheduled	0
Minimum	0	Lab Scheduled	8.00	2	Lab Scheduled	140.00
		Contact DHR	0		Contact DHR	0
		Contact Total	8.00		Contact Total	140.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 140.00

Title 5 Category: Non-Credit

Grading: Non-Credit Course

Repeatability: 27 - Exempt From Repeat Provisions

Also Listed As:

Formerly:

**Catalog Description:**

In this course, students will learn fundamental carpentry skills involved in residential framing including techniques, materials, tools, and equipment. Students will also learn about safe tool use, the basics of building codes, and working on a crew. This course will focus on floor and wall systems.

**Prerequisites/Corequisites:**

Course Completion of ADLTED 740 and ADLTED 739

**Recommended Preparation:**

Course Completion of ADLTED 744 and ADLTED 721 and ADLTED 746

**Limits on Enrollment:****Schedule of Classes Information:**

Description: In this course, students will learn fundamental carpentry skills involved in residential framing including techniques, materials, tools, and equipment. Students will also learn about safe tool use, the basics of building codes, and working on a crew. This course will focus on floor and wall systems. (Non-Credit Course)

Prerequisites/Corequisites: Course Completion of ADLTED 740 and ADLTED 739

Recommended: Course Completion of ADLTED 744 and ADLTED 721 and ADLTED 746

Limits on Enrollment:

Transfer Credit:

Repeatability: Exempt From Repeat Provisions

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Effective:	Inactive:
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<b>UC Transfer:</b>	Effective:	Inactive:
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**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

**Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Perform measurements and calculations used in carpentry
2. Build floor systems safely using appropriate materials, codes, and tools
3. Build wall systems safely using appropriate materials, codes, and tools

**Objectives:**

At the conclusion of this course, the student should be able to:

1. Understand and apply jobsite safety practices
2. Use measuring tools correctly
3. Understand and apply mathematical calculations used in carpentry
4. Work effectively within a crew structure
5. Demonstrate quality work
6. Understand and apply the materials, tools, and techniques used in floor systems
7. Understand and apply the materials, tools, and techniques used in wall systems
8. Read construction drawings at a basic level

**Topics and Scope:**

- I. Introduction to Carpentry
  - A. Working as part of a crew
  - B. Types of carpentry
    1. House framing
    2. Interior and exterior finish
    3. Concrete forming
    4. Stair building
    5. Cabinetry
    6. Hardscaping

## II. Review of Safety

- A. Daily tail-gate safety meeting
- B. Occupational Safety and Health Administration (OSHA)
- C. Personal Protective Equipment (PPE)

## III. Measurement and Calculations

- A. Common measurements in residential building
- B. Common construction calculations
- C. Reading a framing plan

## IV. Floor Framing

- A. Principles of floor framing
- B. Flooring materials
- C. Flooring tools
- D. Building a floor

## V. Wall Framing

- A. Principles of wall framing
- B. Wall materials
- C. Wall building tools
- D. Building a wall system

## VI. Applicable Building Codes

### Assignment:

1. Weekly quizzes
2. Group discussion and problem-solving activities
3. Skill demonstration: safe tool use and carpentry techniques
4. Individual project or presentation

### 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.

None

Writing  
0 - 0%

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

Group problem-solving activities; individual project or presentation

Problem solving  
10 - 30%

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

Skill demonstration

Skill Demonstrations  
55 - 80%

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

Weekly quizzes

Exams  
10 - 20%

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

Attendance and participation

Other Category  
0 - 10%

**Representative Textbooks and Materials:**

Instructor and department prepared materials