



Basic Course Information

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|-------------------|---|---------------------|-----------------------------|
| Semester: | Winter 2024 | Instructor Name: | Andres Nieblas |
| Course Title & #: | Carpentry Methods, Materials- BLDC 150 | Email: | Andres.Nieblas@imperial.edu |
| CRN #: | 15175 | Webpage (optional): | www.imperial.edu |
| Classroom: | 3117 | Office #: | 3118 |
| Class Dates: | Jan 2- Feb 2 | Office Hours: | 2-3pm M-Th |
| Class Days: | Monday - Friday | Office Phone #: | (760)355-5758 |
| Class Times: | 8:30-9:20am 9:25-01:50pm | Emergency Contact: | (760) 355-6361 |
| Units: | 3.0 | Class Format: | Face to Face |

Course Description

Carpentry construction methods require the use of construction methods, materials, and tools to achieve a completed structure. Use and operation of hand and power tools used for a variety of construction materials will be studied and applied during this course. Application of materials and execution of construction methods will be guided by building codes, and in compliance with, safety regulations. (Nontransferable, AA/AS degree only)

Course Prerequisite(s) and/or Corequisite(s)

Recommended Preparation BLDC 110

Student Learning Outcomes

Upon successful completion of this course, the students will: Upon satisfactory completion of the course, students will be able to:

1. Demonstrate safe work practices. (ILO 1,2)
2. Identify, properly use, and maintain carpentry hand and power tools. (ILO 2)
3. Discuss the materials used in carpentry construction and explain their applications. (ILO 3,4)
4. Use a selection of tools to work a variety of materials to construct rough and finished products. (ILO 4)
5. Interpret sections of building codes and apply this information to planning, layout, and construction. (ILO 1,2)
6. Explain the safety regulations that are the responsibility of the employee, those that are supervisor controlled, and those that are mandated of the employer. (ILO 2,3)

Course Objectives

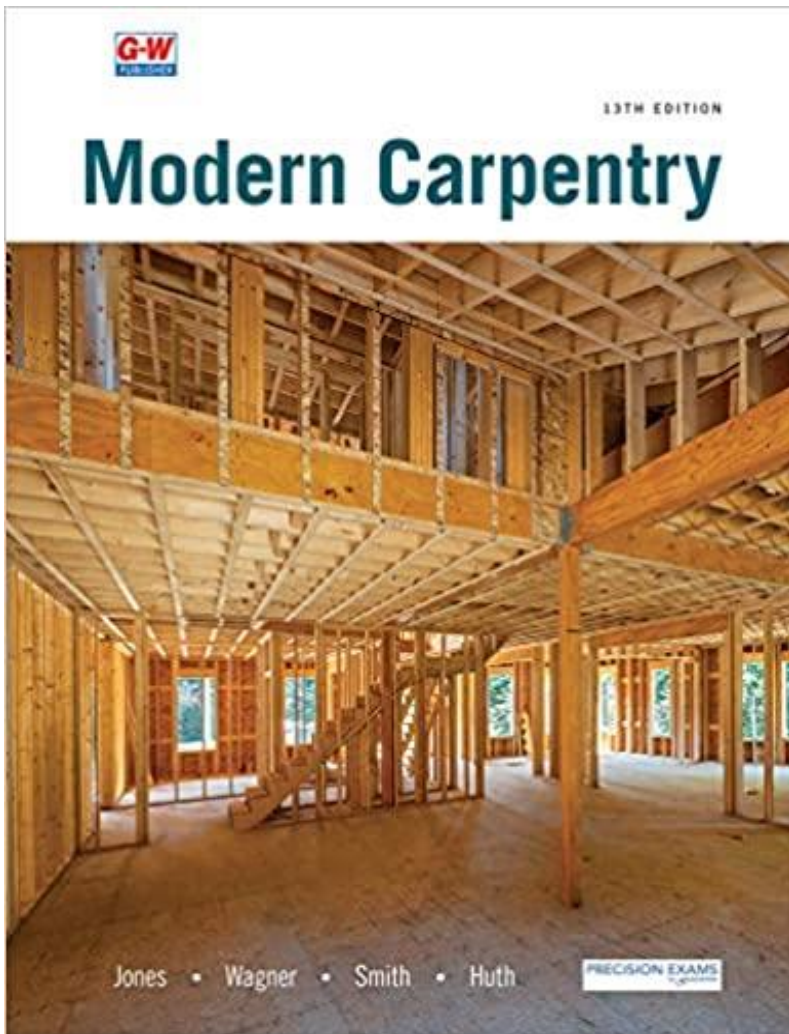
Upon satisfactory completion of the course, students will be able to:

1. Demonstrate safe work practices.
2. Explain carpentry construction activities and practices.

3. Explain what skills are different in finish carpentry as compared to rough carpentry.
4. Apply the technical knowledge and skill sets which are required in carpentry.
5. Explain and execute the installation of windows, shingles, lath, drywall, concrete formwork, concrete finishing and plaster/stucco.

Textbooks & Other Resources or Links

Modern Carpentry Essential Skills for the Building Trades 13th Edition , Willis H.Wagner & Howard Bud Smith ISBN: 1645646602



Out of Class Assignments:

The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.



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Course Requirements and Instructional Methods

Students are expected to bring safety glasses and face masks to class and wear them at all times.

Face masks are to be worn at all times during lecture and lab and safety glasses are to be worn during lab sessions.

Hard hats will be provided and students will be responsible to sanitize hardhats before and after they are worn. (sanitizer will be provided for students)

Course Grading Based on Course Objectives

Total Points Possible = 800

Participation = 100 consist of being present in the lecture and completing 4 weekly quizzes.

Weekly Labs (5) = 500

Midterm Exam = 100

Final Exam = 100

A= 90%-100% Excellent

B= 80%-89% Good

C= 70%-79% Satisfactory

D= 60%- 69% Pass, less than satisfactory

F= 59%&Below Failing

Course Policies

Disruptive students will be referred to ASG and can be dropped from the course.

Students who are absent on the first day of class or that are absent three or more times unexcused will be dropped from the course with no previous notice. Students who are absent after the drop deadline will receive a failing grade for lack of participation and lack of attendance in the course.

Students who fail to attend class and are no longer interested in attending the course are responsible for dropping themselves from the course.

Other Course Information

IVC Student Resources

<http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

| Date or Week | Activity, Assignment, and/or Topic | Pages/ Due Dates/Tests |
|-------------------------------------|--|------------------------|
| Week 1 January 2 - 5 | Syllabus & Introduction OSHA/Construction Safety Selecting and estimating building materials Drywall Installation and building codes. | Pages 1-502 |
| Week 2 January 8 - 12 | Installation of windows/exterior doors/flashing and lath. | Pages 504-505 |
| Week 3 January 15-19 | Exterior wall texture finishes, Special Projects. | Midterm Exam |
| Week 4 January 22-26 | Installation of flooring/wall tile. | |
| Week 5 January 29- February 2 | Door and window installation Angle layout for trim installation of crown molding Installation of chair rail molding. | Final Exam |

January 15th No Class: MLK Jr. Day (campus Closed)

*****Subject to change without prior notice*****