

APPT 170: CODE II/JUNIOR MECHANICS REVIEW & EXAM

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2022
Units:	4.5
Hours:	36 lecture, 66 laboratory per quarter (102 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- A student will be able to use code changes on the drawings in the class.
- A student will be able to apply advanced plan reading and interpretation to the drawings.
- A student will be able to properly apply the plumbing code related to the changes in the industry.

Description

Fifth-year course of the Plumbing and Pipefitting Apprenticeship program. This course provides students with a working knowledge of Plumbing Codes and review of how changes affect the Plumbing Codes.

Course Objectives

The student will be able to:

- Readdress the code related to the changes in the industry as well as use them on the drawing portion on the class
- Demonstrate advanced plan reading and interpretation

Course Content

- Drawing and code(s)
 - Change orders to drawing
 - Approval process
- Advanced plan reading
 - Detailed mechanical review
 - Detailed structural review

Lab Content

Students will address the Plumbing Codes in the lab, which includes:

- Procedures for making formal revisions to drawings when codes callouts change

Special Facilities and/or Equipment

- Laboratory with drawing tables and overhead projector
- Drawing utensils and calculators
- When taught via Foothill Global Access, on-going access to computer with email software and hardware; email address

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

- Written examination
- Hands-on demonstration
- Chapter quizzes
- Group and classroom participation
- Punctuality

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

- Lecture
- Discussion
- Laboratory
- Demonstration

Representative Text(s) and Other Materials

United Association of Journeymen and Apprentices. [Advanced Plan Reading and Drawing](#). 2020.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- Readings from the textbook
 - Application of advanced CAD commands on a workstation
- Writing assignments are related to the assignments given throughout the course, to include:
 - Practice and review of each section in the above course content
 - STAR Test administered in class

Discipline(s)

Plumbing