

CATALOG INFORMATION

Dept and Nbr: APED 345 Title: APP PLUMBERS, 1ST SEM
Full Title: Apprentice Plumbers, First Semester
Last Reviewed: 5/14/2018

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	0	18	Lecture Scheduled	0
Minimum	2.00	Lab Scheduled	6.00	8	Lab Scheduled	108.00
		Contact DHR	0		Contact DHR	0
		Contact Total	6.00		Contact Total	108.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 108.00

Title 5 Category: AA Degree Non-Applicable
Grading: Grade Only
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly: APED 245S

Catalog Description:
Related supplemental instruction for apprentice plumbers and pipefitters.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: Related supplemental instruction for apprentice plumbers and pipefitters. (Grade Only)
Prerequisites/Corequisites:
Recommended:
Limits on Enrollment:
Transfer Credit:
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:		Effective:	Inactive:
UC Transfer:		Effective:	Inactive:

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. Describe and demonstrate plumbing principles and regulations related to the plumbing and pipefitting trade.
2. Apply best practices in practical environment related to the plumbing and pipefitting trade.

Objectives:

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

1. Describe safety rules and procedures on the job site
2. Qualify for completion of certificate in first aid and cardiopulmonary resuscitation
3. Describe the role of the plumbers and pipefitters union
4. Demonstrate basic drafting techniques
5. Demonstrate the proper care and use of tools
6. Identify various plumbing features and appliances

Topics and Scope:

- I. Safety and First Aid
- II. Trade Unions
- III. Blueprints
- IV. Isometric Drawing
- V. Tools
- VI. Fixtures and Appliances
- VII. Mathematics related to Plumbers and Pipefitting

Assignment:

1. Homework assignments (1 to 2 sets per week)
2. Quizzes and examinations (4 to 6 per semester)
3. Class performances and field work (on-the-job demonstrations) of skill development, safety practices, equipment, and material handling.

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.

Homework assignments; field work

Problem solving
10 - 25%

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

Class performances; field work

Skill Demonstrations
50 - 65%

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

Quizzes and examinations to include multiple choice, true/false, matching items, and completion

Exams
10 - 20%

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

Attendance and participation

Other Category
5 - 10%

Representative Textbooks and Materials:

Your Heritage and Future in the Pipe Trades. International Pipe Trades Joint Training Committee. 2010 (classic)

A Guide to Service Work. International Pipe Trades Joint Training Committee. 2009 (classic)
Drawing Interpretation and Plan Reading. International Pipe Trades Joint Training Committee. 2010 (classic)

Use and Care of Tools. International Pipe Trades Joint Training Committee. 2010 (classic)