

APED 353.5 Course Outline as of Summer 2025**CATALOG INFORMATION**

Dept and Nbr: APED 353.5 Title: APP ROOFERS, MODULE 5

Full Title: Apprentice Roofers, Module 5

Last Reviewed: 2/24/2020

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0.50	Lecture Scheduled	0	16	Lecture Scheduled	0
Minimum	0.50	Lab Scheduled	2.00	8	Lab Scheduled	32.00
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	32.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 32.00

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 350.5

Catalog Description:

Related supplemental instruction for apprentice roofers (module 5 of 10).

Prerequisites/Corequisites:

Minimum Age 18 or older

Recommended Preparation:**Limits on Enrollment:**

Admission to Program - Indentured Roofer Apprenticeship.

Applicants shall be at least 18-years of age at the time of indenture.

Schedule of Classes Information:

Description: Related supplemental instruction for apprentice roofers (module 5 of 10). (Grade Only)

Prerequisites/Corequisites: Minimum Age 18 or older

Recommended:

Limits on Enrollment: Admission to Program - Indentured Roofer Apprenticeship.

Applicants shall be at least 18-years of age at the time of indenture.

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 roofing principles and regulations related to the roofing trade.
2. Apply best practices in practical environment related to the roofers' trade.

Objectives:

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

1. Describe the cold applied systems for roofing, waterproofing, and dampproofing.
2. Identify the tools, equipment, and processes used in cold applied roofing jobs.

Topics and Scope:

- I. Cold Applied Roofing Systems
- II. Waterproofing
- III. Dampproofing
- IV. Tools and Equipment Used in Cold Applied Roofing
- V. Cold Applied Asphaltic Built-Up Roofing
- VI. Cold Applied Bituminous Sheet and Membrane
- VII. Elastomeric Sheet Membrane Roofing
- VIII. Fluid Applied Cold-Processing Roofing
- IX. Hot Applied Waterproofing and Dampproofing
- X. Cold Applied Waterproofing and Dampproofing

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

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:

Cold Applied Roofing Systems. 2nd ed. Whitter, Craig. General Training Company. 2010 (classic)