APED 354.1 Course Outline as of Summer 2025

CATALOG INFORMATION

Dept and Nbr: APED 354.1 Title: APP ROOFERS, MODULE 10
Full Title: Apprentice Roofers, Module 10
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 350.10

Catalog Description:
Related supplemental instruction for apprentice roofers (module 10 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 10 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 and perform the procedures for installation and maintenance of single-ply systems.
2. Describe and perform the procedures for installation and maintenance of modified bitumen.
3. Describe and perform the procedures for installation and maintenance of elastomeric systems.
4. Describe and perform the procedures for installation and maintenance of thermoplastic systems.

Topics and Scope:

I. Single-Ply Roofing Systems
II. Modified Bitumen Roofing Systems
III. EPDM Elastomeric Roofing Systems
IV. Thermoplastic Roofing Systems

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:
Common Roofing and Waterproofing. 2nd ed. Whitter, Craig. General Training Company. 2010 (classic)