

Last updated: 1/00

SAN BERNARDINO VALLEY COLLEGE

COURSE OUTLINE FOR FLOOR 011CX3

Flooring Installation: Ceramic Tile Laboratory

I. CATALOG DESCRIPTION:

Department: Floor Covering

FLOOR 011CX3: Flooring Installation: Ceramic Tile Laboratory

1 ½ hours laboratory = ½ unit

Catalog Description: Practical application of techniques for installation of ceramic tile, including methods of measuring, selecting appropriate products, and installation.

Employment in the industry will also be addressed.

Schedule Description: Practical application of techniques for installation of ceramic tile.

Prerequisite: FLOOR 010C

Corequisite: None

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: Three

III. EXPECTED OUTCOMES FOR STUDENTS:

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

- A. Correctly calculate material for various floor configurations and flooring materials.
- B. Install ceramic tile using appropriate adhesives, cutting techniques, and installation methods.
- C. Use correct tools for cutting and installing ceramic tile.
- D. Demonstrate employability skills, including work habits and ethics, teamwork, communication skills, and writing a resume/job application.
- E. Identify characteristics of various materials used in the trade.
- F. Practice appropriate safety measures for ceramic tile installation.

IV. CONTENT:

- A. Ceramic Tile
 1. Safety measures for installing ceramic tile
 2. Types of ceramic tile
 3. Grout material - proper techniques for mixing and storing
 4. Use of quarter rounds, finishing moldings, and reducers
 5. Proper adhesives used with various mosaic, ceramic, and quarry tiles for commercial and residential installation
 6. V-caps and the various types of moldings
 7. Ceramic tile floor preparation
 8. How to spread adhesive on foundation correctly to provide even surface
 9. How to correctly measure and estimate quantity of tile for various types and shapes of floors
 10. Appropriate tools and methods used in installing ceramic tile
 11. How to measure and install various border materials for custom installation
 12. Sealing and treating floor techniques

- B. Employability Skills
 - 1. Job information
 - 2. Working relationships, teamwork, and cooperation
 - 3. Resume, letters, and job application
 - 4. Work habits and ethics, punctuality, and a positive attitude as necessary to employment
 - 5. Grooming and dress standards for interview
 - 6. Job application: Legibility, correctness, and completeness

V. METHODS OF INSTRUCTION:

Methods of instruction will vary from instructor to instructor but may include:

- A. Demonstration by instructor
- B. Guided laboratory practice by the learner
- C. Guided field experience by the learner and demonstrations by field experts

VI. TYPICAL ASSIGNMENTS:

Typical assignments will vary from instructor to instructor but may include:

- A. Calculate floor material necessary for a given room configuration using flooring worksheets and formulas.
- B. Complete a log of field experiences, i.e. the differences in flooring installation due to flooring type.
- C. Write a resume and complete a job application appropriate for acquiring a position in the flooring industry.

VII. EVALUATION(S):

A. Methods of evaluation will vary from instructor to instructor but may include:

- 1. Oral and written tests
 - Typical Questions:
 - a. Describe appropriate use of quarter rounds, finishing moldings, and reducers.
 - b. Identify V-caps and the various types of moldings.
- 2. Successful completion of field tasks in accordance with classroom instruction and field expert's guidance by installing a sample flooring project.
- 3. Completion of field log demonstrating understanding of installation procedures.

B. Frequency of evaluation will vary from instructor to instructor but may include:

- 1. Weekly test
- 2. Minimum of ten field tasks
- 3. Minimum of ten field logs

VIII. TYPICAL TEXT(S):

Builder's Guide to Floors, Peter Fleming, 1997

Floor Covering: Resilient Coverings - Mathematics Review, California Department of Education, 1994

IX. OTHER SUPPLIES REQUIRED OF STUDENTS:

To comply with OSHA safety standards and recommended product safety measures, students will need to use the following during lab/field experiences:

Safety glasses *	Stair tucking tool
Back brace *	Drawer stretcher
Face mask *	Hammer stapler and staples
Knee pads (optional) *	Vacuum cleaner (shop vac)
Carpet knife *	Electric tacker
Utility knife *	Carpet and linoleum roller
Utility knife replaceable blades *	Power stretcher
Knife pouch *	Straight edge 3'
Linoleum knife *	Drive bar
Carpet shears *	Level 3'
25' tape measure *	Chalk line
Hammer	Triangle (for border)
Wood nails (1-1/4")	Trowel (carpet, vinyl)
Trimmer blade	Spreader (adhesive)
Carpet blade	Tile cutter
Hook blade	Sponges
Aviation snips	VCT tile cutter
Rubber gloves	Grout float
Cement nails (1/2")(3/4")	Jig saw (wood)
Cutting blade	Wet cutter (ceramic tile)
7" tin snips (for tack strips)	Table saw or radial arm
Seaming tape	Tack strip (consumable)
Seaming iron	Carpet tape (consumable)
Knee kicker	Steel rollers
Multi-purpose wall trimmer	Star action roller
Cushion back trace cutter	Ripping bar molding lifter

*Each student needs to purchase

**Content Review Form
PREREQUISITE COURSE**

Target Course: FLOOR 011CX3: Flooring Installation: Ceramic Tile Laboratory

Prerequisite Course: FLOOR 010C: Flooring Installation: Ceramic Tile

Instructions:

List exit competencies (skills) from Prerequisite Course. These skills are listed in the “Student Outcomes” section of the Course Outline (“upon completion of the course, the student should be able to...”)

Indicate which of the listed exit competencies (skills) are necessary entry skills needed for success in the target course. Mark with an “X” each needed skill.

Indicate the degree of importance of each needed entry skill for course success, using the following rating scale:

1=Critical 2=Very Helpful 3=Desirable

Skills Analysis

Exit Skills in Prerequisite Course	Entry Skills Needed for Success in Target Course (Mark with an X if needed.)	Degree of Importance (Rate 1 - 3)
1. Correctly calculate material for various floor configurations and flooring materials.	X	1
2. Install ceramic tile using appropriate adhesives, cutting techniques, and installation methods.	X	1
3. Use correct tools for cutting and installing ceramic tile.	X	1
4. Demonstrate employability skills, including work habits and ethics, teamwork, communication skills, and writing a resume/job application.	X	1
5. Define trade organizations, such as union shops, non-union shops, and industry suppliers.	X	1
6. Identify characteristics of various materials used in the trade.	X	1
7. Practice appropriate safety measures for ceramic tile installation.	X	1