MORTARS & GROUTS
Course Syllabus

Course Number: ARCO-0660
OCAS Code: None
Course Length: 15 Hours
Career Cluster: Architecture & Construction
Career Pathway: Construction
Career Major(s): Masonry

Pre-requisite(s): This course is an introduction to types of mortar and techniques of grouting.

Course Description: This course is an introduction to types of mortar and techniques of grouting.

Textbooks:

- Brick and Block Masonry by Curriculum and Instructional Materials Center, Oklahoma Department of Career Tech (1999)
- Fundamentals of Bricklaying by Curriculum and Instructional Materials Center, Oklahoma Department of Career Tech (1999)

Course Objectives:

A. Explain the Types of Mortar.
   1. Name and describe the primary ingredients in mortar and their properties.2
   2. Identify the various types of mortar used in masonry work.2
   3. Describe the common admixtures and their uses.2
   4. Identify the common problems found in mortar application and their solutions.2

B. Demonstrate the Use of Mortar.
   1. Properly set up the mortar mixing area.12
   2. Properly mix mortar by hand.12
   3. Properly mix mortar with a mechanical mixer.12

1 ODCTE objective
2 NCCER objective

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.
MORTARS & GROUTS

Grading Procedures:
1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment:
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility:
The student must maintain a grade point average of 2.0 or better.