GROUT & OTHER REINFORCEMENTS
Course Syllabus

Course Number: ARCO-0664  
OHLAP Credit: No

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 grout and other types of reinforcement used to strengthen and support masonry structures. Covers the techniques in placement of grout and reinforcement bars.

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. Understand Grout and Other Reinforcement.
1. Name and describe the primary ingredients in grout and their properties.¹ ²
2. Identify the different types of grout used in masonry work.¹ ²
3. Describe the common admixtures and their uses.¹ ²
4. Describe the use of steel bar reinforcement in masonry construction.¹ ²
5. Use the proper techniques to apply grout in low and high lifts.¹ ²

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.

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.