CONSTRUCTION TECHNIQUES & MOISTURE CONTROL
Course Syllabus

Course Number: ARCO-0062
OHLAP Credit: No
OCAS Code: None
Course Length: 30 Hours
Career Cluster: Architecture & Construction
Career Pathway: Construction
Career Major(s): Masonry

Pre-requisite(s):

Course Description: This course is an introduction to techniques used in construction of openings in masonry walls, insulation and methods of moisture control. Explains the uses of materials used for moisture control in masonry walls.

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 Construction Techniques and Moisture Control.
1. Explain and demonstrate techniques for constructing masonry around windows, doors, and other openings.¹ ²
2. Explain the requirements for wall bracing and demonstrate the techniques used to construct pilasters and other types of bracing.¹ ²
3. Identify the various types of insulation used in conjunction with masonry construction and explain installation techniques.¹ ²
4. Identify the need for moisture control in various types of masonry construction and demonstrate the techniques used to eliminate moisture problems.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.
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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.