WORKING IN THE GREEN ENVIRONMENT
Course Syllabus

Course Number: ARCO-1599  \hspace{1cm} OHLAP Credit: No
OCAS Code: None
Course Length: 15 Hours
Career Cluster: Architecture and Construction
Career Pathway: Construction, Maintenance/Operations
Career Major(s): Carpentry, Masonry

Pre-requisite(s):
This course introduces students to the concepts, materials and uses of environmentally safe materials and construction techniques using the Green Build approach to construction. Students will be able to understand the reasons why going green is a smarter and more efficient process to construction and how it will impact the environment and the world we live in.

Textbooks/Materials:
Lemley Campus:
* Carpenter by Leonard Koel, American Technical Publishers, Inc. (2004);
* NCCER’s “Wheels of Learning” software;
* Fundamentals of Carpentry by Curriculum and Instructional Materials Center, Oklahoma Department of Vocational and Technical Education (1999);
* Residential Carpentry by Curriculum and Instructional Materials Center, Oklahoma Department of Vocational Materials Center, Oklahoma Department of Vocational and Technical Education (1999),
* Commercial Carpentry by Curriculum and Instructional Materials Center, Oklahoma Department of Vocational and Technical Education (1999).

Sand Springs Campus:

Course Objectives: A. Students will be able to:

1. Understand the impact going green will have on our planet.
2. Identify materials that are used in green construction.
3. Estimate our carbon footprint when not using green construction materials.

ODCTE Objectives

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.