DATE OF LAST REVIEW: 02/2013
CIP CODE: 48.0508
SEMESTER: Departmental Syllabus
COURSE TITLE: Oxy-fuel Welding
COURSE NUMBER: WELD0201
CREDIT HOURS: 1
INSTRUCTOR: Departmental Syllabus
OFFICE LOCATION: Departmental Syllabus
OFFICE HOURS: Departmental Syllabus
TELEPHONE: Departmental Syllabus
EMAIL: KCKCC issued email accounts are the official means for electronically communicating with our students.

PREREQUISITES: WELD0100

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, www.kckccbookstore.com, for the required texts for your particular class.

COURSE DESCRIPTION:
Through a variety of classroom and/or shop/lab learning and assessment activities, the students in this course will: learn to set up, operate, and shut down OFW equipment, and learn to perform basic welds with the OFW and TB processes.

METHOD OF INSTRUCTION:
A variety of instructional methods may be used depending on content area. These may include but are not limited to lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE:
I. OAW basics
   A. Safety
   B. Equipment
C. Set up
II. OAW beads
   A. Without filler metal
   B. With filler metal
   C. Fillet weld
III. TB
   A. Square groove
   B. Fillet

EXPECTED LEARNER OUTCOMES:
Upon successful completion of this course:
   A. The student will be able to Demonstrate the safe and correct set up, operation and shut down of the Oxy-fuel (OFW) workstation
   B. The student will be able to Perform selected OFW and TB assignments

COURSE COMPETENCIES:

Demonstrate the safe and correct set up, operation and shut down of the Oxy-fuel (OFW) workstation
1. Use the proper personal protective equipment (PPE)
2. Identify safety hazards of the equipment
3. Properly set up the equipment
4. Properly light and adjust the torch
5. Make a variety of quality cuts
6. Properly shut down the equipment

Perform selected OFW and TB assignments
7. Use the proper PPE
8. Perform selected OFW assignments to a standard
9. Perform selected TB assignments to a standard

ASSESSMENT OF LEARNER OUTCOMES:
Student progress is evaluated by means that include, but are not limited to, exams, written assignments and class participation.

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome at any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty and staff that is free of bigotry and discrimination. KCKCC is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.
Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college’s policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap or veteran status and that such policy be made known.

Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the Director of the Academic Resource Center in Rm. 3354 or call (913) 288-7670.