SYLLABUS

DATE OF LAST REVIEW: 06/24/14

CIP CODE: 47.0201

SEMESTER: Departmental Syllabus

COURSE TITLE: EPA 608

COURSE NUMBER: HVAC0220

CREDIT HOURS: 1

INSTRUCTOR: Departmental Syllabus

OFFICE LOCATION: Departmental Syllabus

OFFICE HOURS: Departmental Syllabus

TELEPHONE: Departmental Syllabus

EMAIL: Departmental Syllabus

KCKCC-issued email accounts are the official means for electronically communicating with our students.

PREREQUISITE(S):

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

COURSE DESCRIPTION: This course will help to prepare you to take the Environmental Protection Agency (EPA) Section 608 certification. The test will be given after 3 days of study and review. This is a must have class if you want to work around refrigerants. The certification is good for a life time.

METHOD OF INSTRUCTION: A variety of instructional methods may be used depending on content area. These 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 best meet student needs.

COURSE OUTLINE:
I. Ozone Depletion and Global Warming
II. Refrigerant Oils and their applications.
III. Regulations
IV. Test

EXPECTED LEARNER OUTCOMES:
A The student will be able to describe ozone depletion and global warming.
B The student will be able to describe the difference between refrigerant oils and their applications.
C The student will be able to describe the rules and regulations of the EPA section 608.
D The student will be able to complete and pass the EPA section 608 test.

COURSE COMPETENCIES:
Upon successful completion of this course:

The student will be able to describe ozone depletion and global warming.
1. The student will be able to explain ozone depletion and its consequences.
2. The student will be able to describe the Clean Air Act No Venting Law.

The student will be able to describe the difference between refrigerant oils and their applications.
3. The student will be able to list service procedures.
4. The student will be able to identify substitute refrigerants and oils.
5. The student will be able to describe general safety procedures.

The student will be able to describe the rules and regulations of the EPA section 608.
6. The student will be able to identify the legal handling of refrigerants.
7. The student will be able to identify cooling equipment components and basic refrigeration theory.
8. The student will be able to identify EPA regulations.

The student will be able to complete and pass the EPA section 608 test.
9. The student will be able to describe refrigerant cylinder safety procedures.
10. The student will be able to identify equipment, service requirements, recovery procedures, and safety procedures for Type I technicians (small appliances), Type II technicians (high pressure systems), and Type III technician (low pressure systems).
11. The student will be able to Take Exam: EPA Section 608

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 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. Kansas City Kansas Community College 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 at: 288-7670.