SYLLABUS

DATE OF LAST REVIEW: February 15, 2013

CIP CODE: 43.0205, 43.0202, 43.0203

SEMESTER: Departmental Syllabus

COURSE TITLE: Fire Inspection

COURSE NUMBER: FRSC-0205

CREDIT HOURS: Three (3)

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): None

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

DESCRIPTION OF COURSE:
An introduction to the objectives and techniques of fire prevention and inspection programs, the course examines building and electrical codes, fire prevention codes, zoning controls, and other fire protection standards; surveys the authority and responsibilities of municipal fire inspectors; and teaches basic blueprint reading, sketching and mapping.

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, and panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.
COURSE OUTLINE:
The course outline is indicated below and is subject to change as course development dictates.

I. Inspection Procedure
   A.) Approvals and Standards
   B.) Inspection Laws and Regulations
   C.) Inspection Target Lists and Procedure Manual
   D.) Housekeeping
   E.) Storage

II. Domestic and Commercial Heating Equipment
   A.) Gas Appliances
   B.) Oil Burning Appliances
   C.) Chimneys and Venting Systems
   D.) Air Conditioning/ Venting/ Exhaust System

III. Hazards
   A.) Electricity
   B.) Flammable and Combustible Liquids
   C.) Gas Hazards
   D.) Explosive Dusts
   E.) Finishing Processes
   F.) Welding and Cutting
   G.) Spontaneous Heating

IV. Exits
   A.) Fire Doors and Windows
   B.) Egress

V. Roofs

VI. Interior Finishes

EXPECTED LEARNER OUTCOMES:
A. The student will be able to follow the proper inspection procedure.
B. The student will be able to discuss domestic and commercial heating equipment.
C. The student will be able to iterate commercial and domestic building hazards.
D. The student will be able to plan for proper points of egress.
E. The student will be able to discuss the regulations of commercial roofs.
F. The student will be able to identify specific hazards in regard to interior finishes.

COURSE COMPETENCIES:
The student will be able to follow the proper inspection procedure.

1. The student will be able to conduct a proper inspection.
2. The student will be able to demonstrate an understanding of the need for inspection in the fire service.
3. The student will be able to explain the loss prevention process.
4. The student will be able to develop an inspection procedure manual and target list.
5. The student will be able to understand the laws related to inspections.
6. The student will be able to inspect high-rise structures.
7. The student will be able to inspect apartment complexes.
8. The student will be able to prepare a fire inspection report.
9. The student will be able to calculate fire load.
10. The student will be able to inspect manufacturing plants
11. The student will be able to inspect bulk storage facilities.
12. The student will be able to read blueprints.
13. The student will be able to point out unique fire system symbols
14. The student will be able to calculate occupancy capacities.

The student will be able to discuss domestic and commercial heating equipment.
15. The student will be able to inspect HVAC.
16. The student will be able to inspect schools.
17. The student will be able to identify heat sources.

The student will be able to iterate commercial and domestic building hazards.
18. The student will be able to point out fire hazards.
19. The student will be able to identify specific hazards and recommend the ways of elimination of such hazards.
20. The student will be able to recognize electrical hazards.
21. The student will be able to recognize mechanical hazards.
22. The student will be able to recognize chemical hazards.
23. The student will be able to recognize etiological hazards.
24. The student will be able to recognize radiological hazards.

The student will be able to plan for proper points of egress.
25. The student will be able to inspect egress routes.
26. The student will be able to recognize safety hazards.
27. The student will be able to identify fire hazards due to maintenance issues.
28. The student will be able to identify fire hazards due to inventory control.

The student will be able to discuss the regulations of commercial roofs.
29. The student will be able to demonstrate how to read a commercial blueprint.
30. The student will be able to discuss regulations on commercial HVAC systems.
31. The student will be able to discuss commercial fire alarm systems.
32. The student will be able to discuss commercial fire extinguishment systems.

The student will be able to identify specific hazards in regard to interior finishes.
33. The student will be able to compare interior finishes for flammability.
34. The student will be able to research the ASTM standards.
35. The student will be able to determine the most appropriate finishes for a particular building.

ASSESSMENT OF LEARNER OUTCOMES:
Assessment methods may include, but are not limited to, the following: Homework, Assignments, Quizzes, Class Participation, Chapter Tests, and Final Exam. The grading scale and the process for calculating the course grades are to be determined by the individual instructors. This information will be included in each instructor’s syllabus.

**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 Room 3354 or call 288-7670.