SYLLABUS

DATE OF LAST REVIEW : 02/2013

CIP CODE: 43.0205, 43.0202, 43.0203

SEMESTER: Departmental Syllabus

COURSE NAME: Fundamentals Of Fire Prevention

COURSE NUMBER: FRSC-0101

CREDIT HOURS: 3

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.

PREREQUISITE(S): None

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

DESCRIPTION OF COURSE:
A number of basic concepts are covered in this course. The organization and function of the fire prevention organization; surveying and mapping procedures; recognition of fire hazards, engineering a solution to the hazard; enforcement of the solution; and public relations as affected by fire prevention included.

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. The Basis of Fire Prevention
   A. History
      (I). Rome
      (II). England
      (III). Colonial America
         a. New Amsterdam
         b. America 1700-1900
         c. America 1900-Present
   B. Fire Causes and Effects
      (I). What is a fire
      (II). Effects of Fire on People
         a. Fire on human behavior
         b. Research in human behavior and fires
         c. The concept of panic
         d. Domestic fire hazards
         e. Behavior and models
         f. Research in education
         g. Risk-beliefs and attitudes
         h. Modeling fire safety and risk
         i. Experiencing fires
   C. The Cost of Fire
      (I). Insurance
      (II). Building Cost
      (III). Indirect Loss
   D. The Importance of Fire Prevention
   E. Surveying and Mapping Procedures

II. The Environment
   A. Buildings
      (I). Residential
      (II). Commercial
      (III). Indirect loss
   B. Private Fire Systems
   C. Contents of Building

III. The Tools of Fire Prevention
   A. Inspection
   B. Enforcement
   C. Investigation
   D. Date utilization

IV. Fire Protection in the Future
   A. Computers
      (I). View of computers in fire service
      (II). Data collection by managers
      (III). Robotics
   B. Research of the 80's
   C. Current Trends in Fire Protection
EXPECTED LEARNER OUTCOMES:
A. The learner will identify the basis of fire prevention
B. The learner will identify fire protection systems in various buildings.
C. The learner will explain the tools of fire prevention.
D. The learner will outline of fire prevention programs for the future.

COURSE COMPETENCIES:
The learner will identify the basis of fire prevention.
1. The student will be able to explain the history of fire prevention.
2. The student will be able to compare the history of fire prevention in ancient Rome to
   England, Colonial America, and modern day America.
3. The student will be able to identify the causes of fire.
4. The student will be able to identify the effects of fire on people and the environment.
5. The student will be able to explain the cost of fire.
6. The student will be able to explain the importance of fire prevention.
7. The student will be able to demonstrate surveying and mapping procedures.
8. The student will be able to demonstrate drawing basic plot plans.

The learner will identify fire protection systems in various buildings.
9. The student will demonstrate the proper method of evacuation of a building
10. The student will explain basic building rescue considerations.
11. The student will outline the basic progression of a fire inside of a given structure
12. The student will demonstrate how to read a blueprint.

The learner will explain the tools of fire prevention.
13. The student will demonstrate how to properly review water sources.
14. The student will explain how to read an NFPA 704M placard
15. The student will demonstrate how to review fire reports.
16. The student will demonstrate the proper procedures for fire inspections
17. The student will demonstrate the proper manner of reviewing building plans.
18. The student will explain the HVAC for a building.
19. The student will demonstrate how to determine the cause of a fire.

The learner will outline of fire prevention programs for the future.
20. The student will select the proper prevention program for a given operation
21. The student will demonstrate the proper method of developing a fire prevention plan
22. The student will demonstrate the proper way to deal with the general public.
23. The student will demonstrate how to develop a fire prevention plan.
24. The student will demonstrate how to work with community leaders.
25. The student will demonstrate how to find fire prevention resources.
26. The student will explain how to construct a fire prevention report.
27. The student will demonstrate how to use national standards for fire prevention.
28. The student will explain the purpose of fire prevention

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.