SYLLABUS

DATE OF LAST REVIEW: 02/2013

CIP CODE: 43.0205, 43.0202, 43.0203

SEMESTER: Departmental Syllabus

COURSE TITLE: Current Topics and Technology in Fire Science

COURSE NUMBER: FRSC-0214

CREDIT HOURS: 1

INSTRUCTOR: Departmental Syllabus

OFFICE LOCATION: Departmental Syllabus

OFFICE HOURS: Departmental Syllabus

TELEPHONE: 913-334-1100

PREREQUISITE(S): None

REQUIRED TEXT AND MATERIALS:
Please see bookstore for current textbook(s) and other required material.

COURSE DESCRIPTION:
Significant and recent topics or developments in the fire service community are examined. The course is also designed to integrate other emergency services in areas which have common interest. Emphasis is placed on current educational topics which have an immediate impact on the fire services’ and related organizations.

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 in general topical or subject matter. However, this outline is subject to change due to community needs or course dictates.

1. An outline of the current topic for the course:
   A. Need for the information
   B. Objective of the information presented
   C. Definitions
   D. Research that has been conducted supporting the topic
   E. Studies that support the topic

2. An overview of how the topic and subject matter will help individuals in the fire community in their normal working environments.

3. An overview of how the topical information will eliminate a specific problem or situation in the community.

4. Special features or information in Fire Prevention.

5. Special topics which will supplement Fire Master Planning.
6. Special topics which will increase work and success in the prevention of fires and fire deaths.
7. An analysis of special techniques which will assist fire administrators in the problem solving process.
8. An introduction to fire service topics which could provide an insight to fire service history.
   A. Local
   B. County
   C. State
   D. National
9. Recent research in the area of fire technology.
   A. National Bureau of Standards
   B. National Fire Protection Association
   C. Standard Making Organizations
10. Current topics in fire engineering

EXPECTED LEARNER OUTCOMES:
1. Knowledge of current problems associated with the fire service
2. Knowledge and understanding of the technology changes in the fire service
3. Ability to review the current literature on new topics in the fire service
4. Chance to interact with leading local officials in the fire service
5. Opportunity to see changing trends in the fire service
6. Opportunity to review current studies on specific aspects of the fire service
7. Ability to work with new equipment
8. Opportunity to discuss current fires and emergencies
9. Review of the historical accounts in fire fighting
10. A review of the manpower requirements in the future

COURSE COMPETENCIES:
1. The student will understand current topics which have been presented in the fields of Fire Science, Fire Administration or Fire Technology.
2. The student will demonstrate knowledge of materials that has been presented on current topics relating to the fire service or one of its related functions.
3. The student will discuss the current issues and problems that relate to the fire community.
4. The student will explain in writing the methods and procedures that can be used in the elimination or identification of problems.
5. The student will be able to explain the procedures, methods or processes that can be used in the problem solving process.
6. The student will demonstrate technical processes that can be used in solving problems or answering questions.
7. The student will outline the changes in the fire service
8. The student will discuss the applications of new technology
9. The student will discuss the limitations of technology in the current fire service environment
10. The student will outline how the changes in fire technology will impact the full-time and volunteer fire departments

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.

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