1. COURSE ID: FIRE 715    TITLE: Principles of Emergency Services
   Units: 3.0 units  Hours/Semester: 48.0-54.0 Lecture hours
   Method of Grading: Letter Grade Only
   Recommended Preparation: Eligibility for ENGL 100 or 105.

2. COURSE DESIGNATION:
   Degree Credit
   Transfer credit: CSU
   AA/AS Degree Requirements:
   CSM - GENERAL EDUCATION REQUIREMENTS: E5d. Career Exploration and Self-Development

3. COURSE DESCRIPTIONS:
   Catalog Description:
   This course provides an overview to fire protection and emergency services; career opportunities in fire
   protection and related fields; culture and history of emergency services; fire loss analysis; organization and
   function of public and private fire protection services; fire departments as part of local government; laws
   and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic
   fire chemistry and physics; introduction to fire strategy and tactics; life safety initiatives.

4. STUDENT LEARNING OUTCOME(S) (SLO'S):
   Upon successful completion of this course, a student will meet the following outcomes:
   1. Illustrate the history of the fire service
   2. Describe the components and development of the fire and emergency services
   3. Recognize careers in fire and emergency services

5. SPECIFIC INSTRUCTIONAL OBJECTIVES:
   Upon successful completion of this course, a student will be able to:
   1. Illustrate and explain the history and culture of the fire service
   2. Analyze the basic components of fire as a chemical chain reaction, the major phases of fire and examine
      the main factors that influence fire spread and fire behavior
   3. Differentiate between fire service training and education, and explain the value of higher education to the
      professionalization of the fire service
   4. List and describe the major organizations that provide emergency response service and illustrate how they
      interrelate
   5. Identify fire protection and emergency-service careers in both the public and private sector
   6. Define the role of national, State and local support organizations in fire and emergency services
   7. Discuss and describe the scope, purpose and organizational structure of fire and emergency services
   8. Describe the common types of fire and emergency service facilities, equipment and apparatus
   9. Compare and contrast effective management concepts for various emergency situations
  10. Identify the primary responsibilities of fire prevention personnel including: code enforcement, public
      information and public and private protection systems
  11. Recognize the components of career preparation and goal setting
  12. Describe the importance of wellness and fitness as it relates to emergency services

6. COURSE CONTENT:
   Lecture Content:
   1. Careers in the Fire Protection/Emergency Services
      A. Opportunities
         a. Private
         b. Industrial
         c. Local
         d. Municipal
         e. State
         f. Federal
      B. Compensation
a. Pay  
b. Hours of Duty  
c. Benefits  
d. Promotion  
e. Retirement Qualifications  
C. Work Ethics and Human Relations Education and Training  
a. Certificates  
b. Degrees  
D. Selection Process  
2. History  
   A. Evolution of Fire Protection  
   B. The U.S. Fire Problem  
      a. Life  
      b. Property  
3. Fire Prevention and Public Fire Education  
   A. Fire Investigation  
   B. Code Enforcement  
   C. Public Education  
4. Scientific Terminology  
   A. Fire Behavior  
   B. Flammability and Characteristics of Solids, Liquids and Gases  
5. Building Design and Construction  
6. Fire Detection and Suppression Systems  
7. The Role of Public and Private Support Organizations  
   A. Local  
   B. State  
   C. Federal and National  
   D. International  
8. Fire and Emergency Services Equipment and Facilities  
9. Management  
   A. Emergency Operations  
   B. Organizational Structure of Fire and Emergency Services  

7. REPRESENTATIVE METHODS OF INSTRUCTION:  
   Typical methods of instruction may include:  
   A. Lecture  
   B. Activity  
   C. Discussion  

8. REPRESENTATIVE ASSIGNMENTS  
   Representative assignments in this course may include, but are not limited to the following:  
   **Writing Assignments:**  
   Presentation Topic: Short description of topic and outline of presentation  
   **Reading Assignments:**  
   Assigned reading in preparation for the class session  
   **Other Outside Assignments:**  
   Presentation development and preparation  

9. REPRESENTATIVE METHODS OF EVALUATION  
   Representative methods of evaluation may include:  
   A. Oral Presentation  
   B. Quizzes  
   C. Written examination  

10. REPRESENTATIVE TEXT(S):  
   Possible textbooks include:  

*Origination Date:* September 2014  
*Curriculum Committee Approval Date:* October 2014