<u>COURSE OUTLINE</u>

Fire Technology 110
Fire Company Organization and Procedure

I.   **<u>Catalog Statement</u>**

Fire Technology 110 consists of the review of fire department organization; fire company organization, the company officer, personnel administration, communications, fire equipment maintenance, training, fire prevention, fire fighting, company fire fighting capability, records and reports, supervision and leadership techniques.

Total Lecture Units: 3.0
Total Course Units: 3.0

Total Lecture Hours: 48.0
Total Faculty Contact Hours: 48.0

Prerequisite: Fire Technology 101 and 103 or equivalent.

II.   **<u>Course Entry Expectations</u>**

Skills Levels Ranges: Reading 5; Writing 5; Listening/Speaking 5; Math 3.

Prior to enrolling in the course, the student should be able to:
1. describe and discuss the components of the history and philosophy of the modern day fire service;
2. analyze the basic components of fire as a chemical reaction, the major phases of fire, and examine the main factors that influence fire spread and behavior;
3. differentiate between fire service training and education; fire protection certificate program and a fire service degree program; and explain the value of education in 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 in the private sector;
6. synthesize the role of national, state and local support organizations in fire protection 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 services facilities, equipment, and apparatus;

9. compare and contrast effective management concepts for various emergency situations;
10. identify and explain the components of fire prevention including code enforcement, public information, and public and private fire protection systems;
11. explain the purpose of fire prevention and the codes and laws that authorize its existence;
12. describe fire prevention bureau functions and services;
13. identify fire hazards and methods of correction;
14. explain built-in fire protection systems in relation to fire prevention.

III. Course Exit Standards

Upon successful completion of the required coursework, the student will be able to:
1. gain insight on fire department organization and management;
2. become aware of the resources available to the fire services;
3. become knowledgeable of the tactical and safety operations and procedures associated with various fire service responses.

IV. Course Content   Total Faculty Contact Hours = 48

A. Fire Department Organization   5 hours
    1. Administration
    2. Fire prevention division
    3. Fire fighting division
    4. Staff organization

B. Fire Company Organization   4 hours
    1. Type of companies
    2. Fire station
    3. Fire response
    4. District responsibilities

C. The Company Officer   5 hours
    1. Job requirements
    2. Duties
    3. Leadership
    4. Supervision
    5. Control

D. Company Personnel Administration   5 hours
    1. Morale
    2. Discipline
    3. Personnel practices
    4. Evaluation

E. Company Communications	4 hours

   1. Oral communication
   2. Written communications
   3. Communication systems

F. Company Fire Equipment	4 hours

   1. Apparatus
   2. Tools and equipment
   3. Personal equipment

G. Company Maintenance	4 hours

   1. Station
   2. Apparatus
   3. Equipment

H. Company Training	4 hours

   1. Responsibility
   2. Programming
   3. Preparation
   4. Presentation

I. Company Fire Prevention	4 hours

   1. Inspection
   2. Organization

J. Company Fire Prevention	5 hours

   1. Pre-fire planning
   2. Company capability
   3. Company readiness
   4. Tactics
   5. Post-fire operations

K. Company Records and Reports	4 hours

   1. Journal
   2. Fire reports
   3. Records

V. <u>Methods of Instruction</u>

The following methods of instruction may be used in the course:
1. lecture;
2. multimedia;
3. guest speakers;
4. field trips.

VI.   <u>**Out of Class Assignments**</u>

The following out of class assignments may be used in the course:
1. individual projects (i.e. written assignment, reading reports);
2. group projects (i.e. Homework problems, problem solving demonstrations, discussion on textbook topics).

VII.   <u>**Methods of Evaluation**</u>

The following methods of evaluation may be used in the course:
1. quizzes;
2. midterm examination;
3. final examination.

VIII.   <u>**Textbooks**</u>

Municipal Fire Administration, International City Managers Assn.
    10th Grade Textbook Reading Level.

IX.   <u>**Student Learning Outcomes**</u>

1. Student will have insight on fire department organization and management.
2. Student will be aware of the resources available to the fire services.
3. Student will have knowledge of the tactical and safety operations and procedures associated with various fire service responses.