

FIRE 71 Course Outline as of Fall 2008**CATALOG INFORMATION**

Dept and Nbr: FIRE 71 Title: FIRE PROTECTION ORG.

Full Title: Fire Protection Organization

Last Reviewed: 10/14/2019

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: FIRE 51

Catalog Description:

This course provides an introduction to fire service and protection; it includes careers in fire protection and related fields. The course includes history, loss analysis, private fire protection, and an introduction to the chemistry and physics of fire.

Prerequisites/Corequisites:**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100.

Limits on Enrollment:**Schedule of Classes Information:**

Description: State Core Course. This course provides an introduction to fire service and protection; it includes careers in fire protection and related fields. The course includes history, loss analysis, private fire protection, and an introduction to the chemistry and physics of fire. (Grade Only)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100.

- D. Fire Terms and their definitions
- E. Web-site fire training
- II. Fire Service as a Career
 - A. Career, volunteer and combination fire departments
 - B. Public safety departments
 - C. Private fire brigades
 - D. Selection process
- 1. Recruitment
- 2. Application
- 3. Written Examination
- 4. Physical ability tests
- 5. Oral interview
- III. Roles of Fire Service Personnel
 - A. Fire Companies
 - 1. Engine
 - 2. Truck
 - 3. Rescue/Squad
 - B. Fire Suppression
 - 1. Firefighter
 - 2. Fire apparatus driver/operator
 - 3. Company officer
 - 4. Battalion or district chief
 - 5. Safety officer
 - 6. Public information officer
 - 7. Assistant or deputy chief
 - 8. Fire chief
 - C. Special Operations
 - 1. Airport firefighter
 - 2. Hazardous materials technician
 - 3. Technical rescue specialist
 - D. Fire Prevention
 - 1. Fire prevention officer/inspector
 - 2. Fire investigator
 - 3. Public fire and life safety educator
 - 4. Building plans examiner
 - E. Emergency Medical Services (EMS)
 - 1. First responder
 - 2. Emergency medical technician
 - 3. Paramedic
 - 4. EMS chief/officer
 - F. Special Services
 - 1. Telecommunications/dispatch
 - 2. Apparatus and/or equipment maintenance
- IV. History and Philosophy of the Modern Day Fire Services
 - A. Early fire services
 - B. Fire protection in America
 - C. American fire equipment
 - D. Growth of the volunteer fire service
 - E. Improvements and protective clothing
 - F. The impact of historic fires on fire protection in North America
- V. Fire Behavior and Combustion
 - A. Fire as a chemical reaction

- B. The major phases of fire
- C. Factors that influence fire spread and fire behavior
- VI. Building Construction
 - A. Types
 - B. Effects of fire on common building materials
 - C. Firefighter hazards
- VII. Fire Detection, Alarm, and Suppression Systems
 - A. Types of alarm systems
 - B. Automatic sprinkler systems
 - C. Standpipe systems
- VIII. Role of Public and Private Support Organizations
 - A. Trade organizations
 - B. Federal organizations
 - C. State/provincial organizations
 - D. Local organizations
- IX. Fire and Emergency Services - Equipment and Facilities
 - A. Facilities
 - B. Fire apparatus
- X. Fire Department Organization and Management
 - A. Purpose of fire protection agencies
 - B. Organizational hierarchy
 - C. Local government structures
 - D. Types of fire departments
 - E. Response considerations
 - F. Policies and procedures
 - G. Incident management systems
 - H. Fire department planning

Assignment:

1. Reading 20-30 pages from textbook
2. Completion of 17 weekly assignment sheets
3. Midterm, final exam, and weekly quizzes
4. Term project and/or internet research project
5. Class oral presentation
6. 2 field trips
7. Scenarios and role playing

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework, reading reports, term project

Writing 10 - 30%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Quizzes

Problem solving
5 - 10%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations
0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, Completion, Midterm, Final exam

Exams
60 - 80%

Other: Includes any assessment tools that do not logically fit into the above categories.

Internet research project, Field trips

Other Category
5 - 10%

Representative Textbooks and Materials:

- (1) Fire Service Orientation and Terminology, International Fire Service Training Association (IFSTA), current edition
- (2) Introduction to Fire Protection, Klinoff, Thompson Delmar Learning, current edition