

THE UNIVERSITY OF AKRON
COLLEGE OF HEALTH & HUMAN SCIENCES
Fire Protection Technology

Course Name: Fire Prevention
Course Number: 2230:254
Course Credit: 3 credit hours
Prerequisite: 2230:104 Fire Investigation Methods

Course Description

This course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with built-in fire protection systems, fire investigation and fire and life-safety education.

Program outcomes

- 1) Define the national fire problem and main issues relating thereto.
- 2) Recognize the need, responsibilities, and importance of fire prevention as part of an overall mix of fire protection.
- 3) Recognize the need, responsibilities, and importance of fire prevention organizations.
- 4) Review minimum professional qualifications at the state and national level for Fire Inspector, Fire Investigator, and Public Educator.
- 5) Define the elements of a plan review program.
- 6) Identify the laws, rules, codes and other regulations relevant to fire protection of the authority(ies) having jurisdiction.
- 7) Discuss training programs for fire prevention.
- 8) Design media programs.
- 9) Discuss the major programs for public education.

Assessment

The University of Akron and the Fire Protection Technology Program assess student learning at several levels: general education, program, and classroom. As a student in this course, you will participate in various assessment activities. Assessment methods may include one or more of the following: research papers, book and journal article reviews, written and oral reports, table top exercises, community service projects, and classroom presentations, to be determined by the instructor. At the beginning of the semester, the instructor will discuss the format used to evaluate student performance and progress. The criteria for assigning a course grade shall also be discussed. A hard copy and electronic copy of the course syllabus will be provided on Springboard.

Grading Scale:

A 100-97%	C 77-75%
A- 96-94%	C-74-72%
B+ 93-90%	D 71-70%
B 89-86%	D-71-70%
85-82%	D-69%
C+ 81-78%	F<68%

Students with Disabilities Policy

In accordance with University policy, students with a documented disability for which accommodations may be required should contact the Office of Accessibility:
SAS Building, Room 125

Course Outline:

- Topic 1 Historical Perspective
Leading causes of fire and home fire prevention.
- Topic 2 Code Administration
- Topic 3 Use and Occupancy
- Topic 4 Building Limitations and Types of Construction
- Topic 5 Fire-Resistive Construction Elements
- Topic 6 Installation of Fire Protection Systems
- Topic 7 Means of Egress
- Topic 8 Interior Finishes
- Topic 9 General Safety Provisions
- Topic 10 Maintenance of Fire Protection Systems
- Topic 11 Means of Egress Maintenance and Fire Safety
- Topic 12 Hazardous Materials
- Topic 13 Flammable Liquids and Aerosols
- Topic 14 Detonation and Deflagration hazards
- Topic 15 Hazardous Assembly Occupancies
- Topic 16 Other Storage and Processing
- Topic 17 Compressed Gases and Cryogenic Liquids
- Topic 18 Pesticides and Other Hazards
- Topic 19 Using Reference Standards

