

NorthWest Arkansas Community College

Division of Health Professions / Fire Science

Course Number and Title

FIRE 1043 Fire Prevention and Inspection

Catalog Description

This course provides the student with an overview and understanding of the field of fire prevention including its history, code development and enforcement, inspection principles, and public fire and life safety education.

Prerequisites

None

Credit Hours/ Contact Hours/ Load Hours

3/3/3

Target Audience/Transferability

This course is designed for students desiring a career in the fire service or related areas, and for those already in a fire related profession seeking an overview of the field of fire prevention. Students working towards a two-year degree in fire science, as well as those planning to transfer to a four-year college, will benefit from this course.

Student Learning Outcomes

Students completing this course will be able to:

Knowledge:

Demonstrate and describe knowledge of facts relating to fire prevention efforts, including need and development of the field of fire prevention, model codes, organization and administration of various fire prevention organizations, as well as inspection, enforcement, and public educational fire prevention techniques.

Abilities:

Using knowledge and skills gained, conduct a basic building fire inspection, develop a pre-incident plan, and present a public education presentation.

Understanding:

After completion of this course, the student should realize the need for fire prevention, the various facets of fire prevention, and assist in organizing fire prevention efforts within their respective employment organization.

Topics

- A. Basic Fire Science
- B. The Fire Problem from Early History to Modern Times
- C. Need for Fire Prevention
- D. Development of Fire Prevention and Enactment of Building Codes, Fire Codes, and the Life Safety Code
- E. Organization and Administration of Fire Prevention Efforts in the public and private sectors
- F. Major Areas of Fire Prevention including Inspection and Pre-Incident Planning, Enforcement of Codes, Public Education, and Arson Investigation and Suppression
- G. Proof that Fire Prevention Works through Data Recording and observing Trends and Statistics

Forms of Assessment

Students will recall facts presented on written exam and demonstrate essential inspection skills with a cumulative minimum grade of 70%.