

NorthWest Arkansas Community College
Allied Health / Fire Science Course

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 history of fire prevention, code development and enforcement, inspection principles, public fire safety education, and arson suppression. This course follows the objectives outlined in the National Fire Protection Association (NFPA) Standard 1031, Fire Inspector I.

Credit Hours/ Contact Hours/ Load Hours:

3/3/3

Required Methods of Instruction:

Majority of course instruction time will involve classroom lecture. The course will involve some outside the classroom practical skills development in conducting basic building fire inspections, and pre-incident planning, as well as developing a fire prevention public education presentation.

Target Audience and Transfer:

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.

Essential Course Outcomes:

Students completing this course will be able to:

Knowledge:

1. 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:

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

Understanding:

3. 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.

Required Text

International Fire Service Training Association, Fire Inspection and Code Enforcement, 6th Ed. Stillwater, OK.: Fire Protection Publications, Oklahoma State University, 1998

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Topics:

- A. Basic Fire Science
- B. The Fire Problem from Early History to Modern Times
- C. Need for Fire Prevention
 - 1. Loss of Life
 - 2. Loss of Property (Economic Value)
 - 3. Conflagrations
- D. Development of Fire Prevention
 - 1. Development and Enactment of Building Codes, Fire Codes, and the Life Safety Code
- E. Organization and Administration of Fire Prevention Efforts
 - 1. Municipal Organizations
 - 2. Private Sector
 - 3. Public Sector
 - 4. Preparing Personnel for Fire Prevention Duties
- F. Major Areas of Fire Prevention
 - 1. Inspection and Pre-Incident Planning
 - 2. Enforcement of Codes
 - 3. Public Education
 - 4. Arson Investigation and Suppression
- G. Proof that Fire Prevention Works
 - 1. Data Recording
 - 2. Trends and Statistics

Resources

<u>Item</u>	<u>Description</u>	<u>Location</u>
Overhead Transparencies	Accompanies Course	NWACC
Video Tapes	Fire Prevention Related Material	NWACC