

# EASTERN ARIZONA COLLEGE

## Fundamentals of Fire Prevention

Course Design  
2019-2020

**Course Information**

**Division** Allied Health  
**Course Number** FSC 130  
**Title** Fundamentals of Fire Prevention  
**Credits** 3  
**Developed by** Martin deMasi  
**Lecture/Lab Ratio** 3 Lecture/0 Lab

**Transfer Status**

ASU	NAU	UA
Non Transferable	Elective Credit	Non Transferable

**Activity Course** No  
**CIP Code** 43.0203  
**Assessment Mode** Pre/Post Test (50 Questions/50 Points)  
**Semester Taught** Upon Request  
**GE Category** None  
**Separate Lab** No  
**Awareness Course** No  
**Intensive Writing Course** No  
**Diversity and Inclusion Course** No

**Prerequisites**

None

**Educational Value**

This course is intended for students who are interested in the learning of principles and fundamentals of community risk reduction with an emphasis on fire prevention.

**Description**

This course provides fundamental knowledge relating to the field of fire prevention and community risk reduction. Topics include history and philosophy of fire prevention and community risk reduction, organization and operations of a fire prevention or community risk reduction bureau, use and application of codes and standards, plan reviews, fire inspections, fire and life safety education, and fire investigation.

**Supplies**

None

## **Competencies and Performance Standards**

### **1. Describe the national fire problem and identify the functions of a fire prevention bureau.**

#### **Learning objectives**

*What you will learn as you master the competency:*

- a. Define the national fire problem and the role of a fire prevention or community risk reduction bureau in addressing this problem.
- b. Describe the history and philosophy of fire prevention and community risk reduction efforts.
- c. Define the functions of a fire prevention bureau.
- d. Identify and describe fire prevention organizations and associations.

#### **Performance Standards**

*Competence will be demonstrated:*

- o in completion of the assignment sheet

*Performance will be satisfactory when:*

- o learner participates in class activities and discussions
- o learner provides acceptable verbal and written responses to questions

### **2. Describe the five “E’s” of fire prevention and community risk reduction.**

#### **Learning objectives**

*What you will learn as you master the competency:*

- a. Describe enforcement as it relates to community risk reduction.
- b. Describe education as it relates to community risk reduction.
- c. Describe engineering as it relates to community risk reduction.
- d. Describe economic incentives as it relates to community risk reduction.
- e. Describe emergency response as it relates to community risk reduction.

#### **Performance Standards**

*Competence will be demonstrated:*

- o in completion of the assignment sheet

*Criteria - Performance will be satisfactory when:*

- o learner participates in class discussions and activities
- o learner provides acceptable verbal and written responses to questions

### **3. Describe the importance of inspections and plan review in fire prevention and reducing community risk.**

#### **Learning objectives**

*What you will learn as you master the competency:*

- a. Describe inspection practices and procedures.
- b. Discuss the process of plan review.
- c. Define the laws, ordinances, rules, regulations, and codes and identify those relevant to fire prevention of the authority having jurisdiction.
- d. Understand code enforcement as it impacts life and property loss.

**Performance Standards**

*Competence will be demonstrated:*

- o in completion of the assignment sheet

*Criteria - Performance will be satisfactory when:*

- o learner participates in class discussions and activities
- o learner provides acceptable verbal and written responses to questions

**4. Describe the professional qualifications for various positions in a fire prevention or community risk reduction bureau.**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Identify and describe the standards for professional qualifications for Fire Marshal, Plan Reviewer, Fire Inspector, Fire and Life Safety Educator and Fire Investigator.
- b. List opportunities in professional development for fire prevention personnel.

**Performance Standards**

*Competence will be demonstrated:*

- o in completion of the assignment sheet

*Criteria - Performance will be satisfactory when:*

- o learner participates in class discussions and activities
- o learner provides acceptable verbal and written responses to questions

**5. Describe importance of fire investigation and data collection in reducing the impact of fire and community risk.**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Describe how data collection systems can assist fire prevention and community risk reduction efforts.
- b. Identify the major causes of fires.
- c. Describe basic processes and practices of fire investigation.
- d. Describe the importance of reports and documentation.

**Performance Standards**

*Competence will be demonstrated:*

- o in completion of the assignment sheet

*Criteria - Performance will be satisfactory when:*

- o learner participates in class discussions and activities
- o learner provides acceptable verbal and written responses to questions

**Types of Instruction**

Classroom presentation and activities

Practice procedures

**Grading Information****Grading Rationale**

A pretest will be administered at the beginning of the course, which will not count as part of the final grade. The Post-Test will count as 15% of the final grade. The chapter tests will count as 50% of the final course grade. Participation, activities, and assignments will count as 35% of the final grade.

**Grading Scale**

- A 100-90%
- B 89-80%
- C 79-70%
- D 69-60%
- F 59% and below