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American Public University System

*The Ultimate Advantage is an Educated Mind*

**School of Public Service and Health**
**FSMT321**
**Community Fire Mitigation and Protection**
**3 Credit Hours**
**8-Weeks**
**Prerequisite(s): None**

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| Instructor Information | Evaluation Procedures |
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## Instructor Information

***Instructor***:

***Email:***

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## Course Description (Catalog)

This course is a study of the leading theory and practice associated with community fire mitigation, planning, protection, response, and recovery. Topics of the course include fire-community relations, community outreach, volunteerism and fire protection, strategic community planning, inter-organizational responses, and other issues.

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## Course Scope

This course is designed to give you a view of the theory and practice associated with community fire and emergency mitigation, planning, protection, response, and recovery. Topics of the course include fire community relations, community outreach, volunteerism and fire protection, strategic community planning, inter-organizational responses, among other issues. It is designed as a case study of your local or a selected fire department and a community.

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## Course Objectives

After successfully completing this course, you will be able to:

**CO-1**: Identify and describe the modern emergency response agencies and their relationship with the authority having jurisdiction.
**CO-2**: Identify the origins of modern mitigation efforts.
**CO-3**: Describe the evolution and history of fire and related emergency response agencies.
**CO-4**: Understand the policy-making environment.
**CO-5**: Examine and identify various risk management models.

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## Course Delivery Method

This course delivered via distance learning will enable students to complete academic work in a flexible manner, completely online. Course materials and access to an online learning management system will be made available to each student. Online assignments are due by Sunday evening of the week as noted and include Forum questions (accomplished in groups through a threaded forum), examination, and individual assignments submitted for review by the Faculty Member. Assigned faculty will support the students throughout this eight-week course.

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## Course Resources

**Textbook:** The text for FSMT321 will use an e-book as the primary delivery format for March 2012 & beyond. Overseas students will continue to receive a hard copy, but if they are still awaiting their text in the beginning of class they will likely find this option helpful as well.

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Links to the e-book can be found in Sakai under "announcements" as well as under "resources."

Title: Fire Prevention Organization and Management
Author: Crawford, James
Publisher: Pearson/Prentice Hall
ISBN# 9780135087848

**Supplemental Materials:** All of the reports listed in this first group are available on-line from the United States Fire Administration's Technical Report Series at: https://www.usfa.dhs.gov/applications/publications/

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration/National Fire Data Center. *Fire in the United States 1995-2004*. Fourteenth Edition. August 2007 available on line at http://www.usfa.dhs.gov/downloads/pdf/publications/fa-311.pdf

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration. *Fire Department Run Profile*. Topical Fire Report Series. Volume 7, Issue 3/December 2007 available on line at http://www.usfa.dhs.gov/downloads/pdf/tfrs/v7i3.pdf

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration. *Fire Department Overall Run Profile*. Topical Fire Report Series. Volume 7, Issue 4/December 2007 available on line at http://www.usfa.dhs.gov/downloads/pdf/tfrs/v7i4.pdf

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration and the National Fire Protection Association. *A Needs Assessment of the U. S. Fire Service*. FA-240/December 2002 available on line at http://www.usfa.dhs.gov/downloads/pdf/publications/fa-240.pdf

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration and the National Fire Protection Association. *Four Years Later - A Second Needs Assessment of the U. S. Fire Service*. FA-303/October 2006 available on line at http://www.usfa.dhs.gov/downloads/pdf/publications/fa-303-508.pdf

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration/National Fire Data Center. *Structure Fire Response Times*. Fourteenth Edition. Topical Fire Report Series. Volume 5, Issue 7/January 2006/Revised August 2006 available on line at http://www.usfa.dhs.gov/downloads/pdf/tfrs/v5i7.pdf

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- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration/Fire Corps. *Citizens Helping Fire & EMS* available on line at http://www.usfa.dhs.gov/downloads/pdf/publications/0-0035.pdf

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration. Emergency Management and Response-Information Sharing and Analysis Center. *The Critical Infrastructure Protection Process Job Aid* FA-313 2nd Edition: August 2007 available on line at http://www.usfa.dhs.gov/downloads/pdf/publications/fa-313.pdf

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration. *After the Fire! Returning to Normal* FA-46/February 1999 available on line at http://www.usfa.dhs.gov/downloads/pdf/publications/fa-46-508.pdf

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration. *Risk Management Practices In The Fire Service* FA-166/December 1996 available on line at http://www.usfa.dhs.gov/downloads/pdf/publications/fa-166.pdf

- Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration. *Strategies For Marketing Your Fire Department Today And Beyond* available on line at http://www.usfa.dhs.gov/downloads/pdf/publications/marketing.pdf

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## Evaluation Procedures

| Grade Instruments | % of Final Grade |
|---|---|
| Forums | **30** |
| Essays | **20** |
| Quizzes | **30** |
| Final Exam | **20** |
| **Total** | **100%** |

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## Grading Scale

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Please see the Student Handbook to reference the University's grading scale.

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## Course Outline

| Week | Topic | Learning Objectives | Readings | Assignment |
|---|---|---|---|---|
| 1 | Concepts of Fire Prevention<br><br>Risk- and Loss-Reduction Educational Programs | Identify and describe the modern emergency response agencies and their relationship with the authority having jurisdiction. | Chapters 1 & 2<br><br>Supplementary Reading:<br>Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration/National Fire Data Center. *Fire in the United States 1995-2004*. Fourteenth Edition. August 2007 | Do all of the following:<br><br>**Read** the Required Readings.<br><br>**Week 1 Forum:** Week 1 – Introduction Forum: introduce yourself to the class. This should be 250 to 500 words and will be graded.<br><br>**Week 1 Quiz:** Complete the weekly quiz. |
| 2 | Concepts in Code Enforcement<br><br>The Plan Review Process | Identify the origins of modern mitigation efforts. | Chapters 3 & 4<br><br>Supplementary Readings:<br>U. S. Fire Administration and the National Fire Protection Association. *A Needs Assessment of the U. S. Fire Service*. FA-240/December 2002 | Do all of the following:<br><br>**Read** the Required Readings.<br><br>**Week 2 Forum:** Complete the |

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| | | | | |
|---|---|---|---|---|
| | | | U. S. Fire Administration and the National Fire Protection Association. *Four Years Later - A Second Needs Assessment of the U. S. Fire Service*. FA-303/October 2006 | weekly forum and respond to two of your classmates.<br><br>**Week 2 Quiz:** Complete the weekly quiz. |
| **3** | Fire, Arson and Explosion Investigations<br><br>Research in Fire Prevention | Describe the evolution and history of fire and related emergency response agencies.<br><br>Examine and identify various risk management models. | Chapters 5 & 6<br><br><u>Supplementary Reading:</u> Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration. *Risk Management Practices In The Fire Service* FA-166/December 1996 | Do all of the following:<br><br>**Read** the Required Readings.<br><br>**Week 3 Quiz:** Complete the weekly quiz.<br><br>**Week 3 Forum:** Complete the weekly forum and respond to two of your classmates. |
| **4** | Planning for Life Safety and Fire Prevention<br><br>Historical Influences on Fire Prevention | Describe the evolution and history of fire and related emergency response agencies.<br><br>Examine and identify various risk management models. | Chapters 7 & 8<br><br><u>Supplementary Reading:</u> U. S. Fire Administration. Emergency Management and Response-Information Sharing and Analysis Center. *The Critical Infrastructure Protection Process Job Aid* FA-313 2nd Edition: August 2007 | Do all of the following:<br><br>**Read** the Required Readings.<br><br>**Week 4 Paper:** Submit the Week 4 Paper.<br><br>**Week 4 Quiz:** Complete the weekly quiz. |
| **5** | Social and Cultural | Understand | Chapters 9 & 10 | Do all of the |

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| | | | | |
|---|---|---|---|---|
| | Influences on Fire Prevention<br><br>Economic Influences on Fire Prevention | the policy-making environment.<br><br>Examine and identify various risk management models. | <u>Supplementary Readings:</u><br>U. S. Fire Administration. *Fire Department Run Profile*. Topical Fire Report Series. Volume 7, Issue 3/December 2007<br><br>U. S. Fire Administration. *Fire Department Overall Run Profile*. Topical Fire Report Series. Volume 7, Issue 4/December 2007<br><br>U. S. Fire Administration/National Fire Data Center. *Structure Fire Response Times*. Fourteenth Edition. Topical Fire Report Series. Volume 5, Issue 7/January 2006/Revised August 2006 | following:<br><br>**Read** the Required Readings.<br><br>**Week 5 Quiz:** Complete the weekly quiz.<br><br>**Week 5 Forum:** Complete the weekly forum and respond to two of your classmates. |
| **6** | Governmental and Departmental Influences on Fire Prevention<br><br>Evaluating Fire Prevention Programs | Understand the policy-making environment.<br><br>Identify and describe the modern emergency response agencies and their relationship with the authority having jurisdiction. | Chapters 11 & 12<br><br><u>Supplementary Readings:</u><br>U. S. Fire Administration. *Strategies For Marketing Your Fire Department Today And Beyond*<br><br>U. S. Fire Administration. *After the Fire! Returning to Normal* FA-46/February 1999 | Do all of the following:<br><br>**Read** the Required Readings.<br><br>**Week 6 Forum:** Please answer the Week 6 Discussion in the Forums folder.<br><br>**Week 6 Quiz:** Complete the weekly quiz. |

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| | | | | |
|---|---|---|---|---|
| **7** | Organizing Fire Prevention Programs<br><br>Public Policy Issues | Understand the policy-making environment.<br><br>Identify and describe the modern emergency response agencies and their relationship with the authority having jurisdiction. | Chapters 13 & 14<br><br>Supplementary Reading:<br>Department of Homeland Security. Federal Emergency Management Agency. U. S. Fire Administration/Fire Corps. *Citizens Helping Fire & EMS* | Do all of the following:<br><br>**Read** the Required Readings.<br><br>**Week 7 Quiz:** Complete the weekly quiz. |
| **8** | Course Summary and Synthesis | Understand the policy-making environment.<br><br>Examine and identify various risk management models. | | Do all of the following:<br><br>**Read** the Required Readings.<br><br>**Week 8 Final Paper:** Submit the Week 8 Final Paper<br><br>**Submit Final Examination** |

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## Policies

Please see the Student Handbook to reference all University policies. Quick links to frequently asked question about policies are listed below.

Drop/Withdrawal Policy
Plagiarism Policy

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Extension Process and Policy
Disability Accommodations

## Citation and Reference Style

Attention Please: Students will follow the APA 6 Handbook as the sole citation and reference style used in written work submitted as part of coursework to the University. Assignments completed in a narrative essay or composition format must follow the citation style cited in the APA 6 Handbook.

## Late Assignments

Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. As adults, students, and working professionals, I understand you must manage competing demands on your time. Should you need additional time to complete an assignment, please contact me before the due date so we can discuss the situation and determine an acceptable resolution. Routine submission of late assignments is unacceptable and may result in points deducted from your final course grade.

## Netiquette

Online universities promote the advancement of knowledge through positive and constructive debate – both inside and outside the classroom. Forums on the Internet, however, can occasionally degenerate into needless insults and "flaming." Such activity and the loss of good manners are not acceptable in a university setting – basic academic rules of good behavior and proper "Netiquette" must persist. Remember that you are in a place for the rewards and excitement of learning which does not include descent to personal attacks or student attempts to stifle the Forum of others.

- **Technology Limitations:** While you should feel free to explore the full-range of creative composition in your formal papers, keep e-mail layouts simple. The Sakai classroom may not fully support MIME or HTML encoded messages, which means that bold face, italics, underlining, and a variety of color-coding or other visual effects will not translate in your e-mail messages.
- **Humor Note:** Despite the best of intentions, jokes and especially satire can easily get lost or taken seriously. If you feel the need for humor, you may wish to add "emoticons" to help alert your readers: ;-), : ), ☺

## Disclaimer Statement

Course content may vary from the outline to meet the needs of this particular group.

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## Online Library

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The Online Library is available to enrolled students and faculty from inside the electronic campus. This is your starting point for access to online books, subscription periodicals, and Web resources that are designed to support your classes and generally not available through search engines on the open Web. In addition, the Online Library provides access to special learning resources, which the University has contracted to assist with your studies. Questions can be directed to **librarian@apus.edu**.

- ***Charles Town Library and Inter Library Loan:*** The University maintains a special library with a limited number of supporting volumes, collection of our professors' publication, and services to search and borrow research books and articles from other libraries.
- ***Electronic Books:*** You can use the online library to uncover and download over 50,000 titles, which have been scanned and made available in electronic format.
- ***Electronic Journals:*** The University provides access to over 12,000 journals, which are available in electronic form and only through limited subscription services.
- ***Tutor.*****com**: AMU and APU Civilian & Coast Guard students are eligible for 10 free hours of tutoring provided by APUS. Tutor.com connects you with a professional tutor online 24/7 to provide help with assignments, studying, test prep, resume writing, and more. Tutor.com is tutoring the way it was meant to be. You get expert tutoring whenever you need help, and you work one-to-one with your tutor in your online classroom on your specific problem until it is done.

**Request a Library Guide for your course (http://apus.libguides.com/index.php)**

The AMU/APU Library Guides provide access to collections of trusted sites on the Open Web and licensed resources on the Deep Web. The following are specially tailored for academic research at APUS:

- Program Portals contain topical and methodological resources to help launch general research in the degree program. To locate, search by department name, or navigate by school.
- Course Lib-Guides narrow the focus to relevant resources for the corresponding course. To locate, search by class code (e.g., SOCI111), or class name.

If a guide you need is not available yet, please email the APUS Library: librarian@apus.edu.

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## Turnitin.com

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**Turnitin.com** is a web-based plagiarism prevention application licensed, for campus use, through the APUS Online Library. The quick submit option lets faculty upload and check suspicious papers, without requiring student to create their own Turnitin.com profiles.

Turnitin.com analyzes electronic submissions of student writing, compares them to the contents of a huge online database, and generates a customized Originality Report. The database used to produce this analysis contains a massive collection of documents available on the Internet from both free and commercial sources, as well as the full texts of all other papers that have been previously submitted to Turnitin.com.

Similarity index is based on the amount of matching text to a submitted paper:

| | |
|---|---|
| Blue = | no matching text |
| **Green** = | one word to 24% matching |
| **Yellow** = | 25 -49% matching text |
| **Orange** = | 50-74% matching text |
| **Red =** | 75-100% matching text |

## Selected Bibliography

Websites (for additional reading, research, and information):

**Websites (for additional reading, research, and information):**

**Firefighting News**
Main Site: http://firefightingnews.com/united-states.cfm
**Firehouse Magazine**: http://www.firehouse.com
**National Fire Protection Association**
Main Site: http://www.nfpa.org
**National Fire Sprinkler Association**
Main Site: http://www.nfsa.org
**National Institute of Occupational Safety and Health (NIOSH)**
Main Page: http://www.cdc.gov/niosh/homepage
Fire Specific: http://www.cdc.gov/niosh/firehome.html
**National Institute of Standards and Technology**
Main Site: http://www.nist.gov
Building and Fire Research Library: http://www.brfl.nist.gov
**United States Fire Administration**
Main Site: http://www.usfa.dhs.gov/
Publications: http://www.usfa.dhs./publications
Technical Reports: http://www.usfa.dhs.gov/publications/techreps.cfm
**United States Forest Service**

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Main Site: http://www.fs.fed.us

**United States House of Representatives Office of the Law Revision Counsel, United States Code**

Main Site: http://uscode.house.gov/

**United States National Records and Archives Administration, Government Printing Office, Code of Federal Regulations**

Main Site: http://www.gpoaccess.gov/cfr/index.html

**Women in the Fire Service**

Main Site: http://www.wfsi.org/

**Texts and References:**

Canter, David; Editor. *Fires and Human Behavior*, Second Edition. David Fulton Publishers, Ltd. London. 1990. ISBN 1-85346-105-9

Cote, Arthur E. *Fundamentals of Fire Protection*. National Fire Protection Association. 2004

Cote, Ron and Greg Harrison, *NFPA Life Safety Code Handbook*. National Fire Protection Association. 2006

Edwards, Stephen T. *Fire Service Personnel Management* (2nd Edition). Prentice-Hall (Bready). 2004. ISBN-10: 0131177664

--------*Facility Manager's Fire Protection Guide*. National Fire Protection Association. 2006.

-------- *Fire Protection Handbook*, 14th Edition. National Fire Protection Association. 2003

-------- *Health Care Facilities Handbook*. National Fire Protection Association. 2005

--------*Principles of Fire Protection*. National Fire Protection Association. 1988

Varone, J. Curtis. *Legal Considerations For Fire and Emergency Services*. Thomson Delmar Learning. 2007. ISBN 10: 1401865712.

The following **codes and standards** developed and maintained by the National Fire Protection Association would be among those of value to the Fire Officer studying this field:

- NFPA 1 Uniform Fire Code
- NFPA 70: National Safety
- NFPA 99 Health Care Facilities
- NFPA 101 Life Safety Code
- NFPA 1201: Providing Emergency Services to the Public
- NFPA 1250: Emergency Service Organization Risk Management.
- NFPA 1410: Training for Initial Emergency Scene Operations

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