

EDMG330

STUDENT WARNING: This course syllabus is from a previous semester archive and serves only as a preparatory reference. Please use this syllabus as a reference only until the professor opens the classroom and you have access to the updated course syllabus. Please do NOT purchase any books or start any work based on this syllabus; this syllabus may NOT be the one that your individual instructor uses for a course that has not yet started. If you need to verify course textbooks, please refer to the online course description through your student portal. This syllabus is proprietary material of APUS.

Course Summary

Course : EDMG330 **Title :** Managerial Issues in Hazardous Materials

Length of Course : 8

Prerequisites : N/A **Credit Hours :** 3

Description

Course Description: This course covers managerial issues in hazardous materials. The impact hazardous materials have on humans, wildlife, and the environment will be covered. The major laws that are applicable to hazardous materials at the Federal, State, and local levels will be discussed. The student will learn about writing an effective contingency plan and the importance of coordination and collaboration across multiple agencies when dealing with a hazardous material response. This course examines all facets of hazardous materials including regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation.

Course Scope:

The course examines regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation.

Objectives

Learning Objectives:

1. Evaluate the hazmat laws, regulations, and standards on the local, State, and Federal levels.
2. Participate meaningfully in the process of planning, organizing, and training for response to hazmat/terrorist incidents.
3. Interpret and act on departmental responsibility for hazmat response preparedness, incident prevention, and incident response.
4. Identify and work with representatives of multiple services, levels of government, and organizations in an organized incident-management structure.
5. Discuss issues pertaining to terrorism and tactical violence, including terrorism preparedness, response, and planning issues.
6. Develop an incident command organizational structure for a hazmat response using the guidelines set

forth in the National Incident Management System (NIMS).

Outline

Week 1: Overview of Hazardous Materials Management

Topic(s)

An Overview of Hazardous Materials Management

Learning Objective(s)

1. Define hazardous materials
2. Describe the two types of hazardous materials classification systems.
3. Review Hazardous Materials definitions, terminology, and regulations.

Reading and Resources

- [Hazardous Materials: Laws, Regulations, and Standards](#)
- [Unit 2: Hazardous Materials Identification Systems](#)
- [Unit 4: Hazardous Materials and Human Health](#)

Deliverables

Forum: Week #1 Introduction

Week 2: Effects of Hazardous Materials on Resources & the Environment

Topic(s)

Impacts of Hazardous Materials on Humans and the Environment

Learning Objective(s)

- Describe and explain the impact of hazardous materials on humans, fish and wildlife resources, and the environment.

Reading and Resources

- [Chapter 11 - Wildlife and Pollution by Dr. Peter Moyle, UC Davis](#)
- [Wildlife Response Plan for California](#)
- [Clinch River HazMAT Recovery](#)
- [Norfolk Southern Railroad Spill](#)

Deliverables

Forum Week # 2: Impacts of Hazardous Materials on Humans and the Environment

Assignment Week #2

Week 3: Legal Aspects & Responsibilities in Hazardous Materials Management

Topic(s)

Legal Aspects and Responsibilities in Hazardous Materials Management

Learning Objective(s)

- Describe, define and explain legal aspects and responsibilities in hazardous materials management.
- Identify and summarize major laws applying to hazmat at the federal, state, and local levels.

Reading and Resources

- [EPA letter regarding Hazmat Liability under CERCLA](#)
- [Case Study: Legal Issues Involving EM and EMS](#)
- [Liability a Burning Concern Among Firefighters](#)
- [Liability of Incident Commanders](#)

Deliverables

Week #3 Forum: Legal Aspects and Responsibilities in Hazardous Materials Management

Week 4: Management of Multiple Agencies in Contingency Planning

Topic(s)

Dealing with Multiple Agencies and Integrating Contingency Planning

Learning Objective(s)

- Describe the steps undertaken in developing and writing an effective contingency plan
- Describe the importance of coordination and collaboration across multiple agencies and organizations involved in hazardous materials response.
- Demonstrate knowledge and understanding of the key terms and concepts from Assignments 1-3

Reading and Resources

- [Disaster Response, Chapter 3: "The 'Paper' Plan Syndrome"](#)
- [Summary of IS-340 Hazmat Course Content](#)
- [Hazardous Materials Course, Unit 5 Preparing for Hazardous Materials Incidents](#)

Deliverables

Forum Week #4: Dealing with Multiple Agencies and Integrating Contingency Planning

Mid-term Examination

Week 5: Public Education & Emergency Information Systems

Topic(s)

Public Interaction, Safety, and Notification

Learning Objective(s)

- Explore, describe and explain communication with the public.
- Predict human behavior during times of crisis
- Describe the importance of frequent and open communication with the public and the media.

Reading and Resources

- [Explaining Environmental Risk](#)
- [Summary of 'Explaining Environmental Risk'](#)
- [Chapter 9: Communication with the Public](#)

- [Understanding Risk Communications Theory: A Guide for Emergency Managers and Communicators](#)

Deliverables

Forum Week #5: Public Interaction, Safety, and Notification

Week 6: Hazardous Materials Management

Topic(s)

Leadership in Hazardous Materials Management, Part I – Leadership Challenges

Learning Objective(s)

- Assess the importance of frequent and open communication with the public and the media.
- Examine external and/or political issues which may influence the management of hazmat incidents.

Readings and Resources

- [Strategies for a PIO to Share Information in Times of Crisis](#)
- [Basic Guidance for PIOs](#)
- [Disaster Response, Chapter 10 - "The Media: Friend and Foe"](#)

Deliverables

Forum Week #6: Leadership in Hazardous Materials Management, Part I – Leadership Challenges

Assignment Week #6

Week 7: The Role of Politics in Hazardous Materials Management

Topic(s)

Leadership in Hazardous Materials Management, Part II – Politics and You

Learning Objective(s)

- Describe and explain five external and/or political issues which may influence the management of a hazmat incident.
- Describe the five critical tasks necessary to be a successful leader in times of crisis.
- Discuss methods of evaluating performance of hazmat response organizations.

Readings and Resources

The Politics of Crisis Management, Public Leadership Under Pressure

- [Chapter 1: Crisis Management in Political Systems](#)
- [Chapter 4: Meaning Making](#)
- [How to Develop A Political Action Plan - The International Fire Chief's Association](#)
- [The Politics of Disaster - Principles for Local Emergency Managers and Elected Officials](#)

Deliverables

Forum Week #7: Leadership in Hazardous Materials Management, Part II – Politics and You

Week 8: Course Conclusion

Topic(s)

Synthesis

Learning Objective(s)

- Demonstrate knowledge and understanding of the key terms and concepts from the course.

Readings and Resources

There is no additional reading this week.

Deliverables

Forum Week #8: Synthesis

Assignment Week #8: Final Paper

Evaluation

Course Materials

Reading

Readings will be available through classroom Resources and <https://www.apus.edu/apus-library/online-research/research/research-guides/guides-by-program.html>.

APA Style Guide

<http://apus.campusguides.com/content.php?pid=205954&sid=3202561>

Library Guide

Please click on the Library link in the classroom

Among other resources, below is a sample list of peer-reviewed resources available through APUS Library, you should consider in your research:

The Journal of Emergency Management, Disaster Recovery Journal, Journal of Crises and Contingencies, Journal of Applied Security Research, Risk Management, Public Administration Review, CRC Press Homeland Security Library, Journal of Business Continuity & Emergency Planning, European Journal of Operational Research, Cambridge Review of International Affairs, Journal of Contingencies and Crisis Management, Annual Review of Political Science, Public Works Management and Policy, Australian Journal of Emergency Management, Business Continuity and Resiliency Journal, International Journal of Business Continuity and Risk Management, Journal of Business Logistics, International Journal of Management, Prehospital and Disaster Medicine, Journal of Traumatic Stress, Military Medicine, Psychiatric Services, Disaster Medicine and Public Health Preparedness, Journal of American College Health, World Institute For Disaster Risk Management Proceedings, Urban Affairs Review, Environmental Hazard, American Behavioral Scientist, Expert Systems with Applications, Civil Engineering Dimension, Information Management, Journal of Policy History, Communications of the ACM, Journal of Nursing Scholarship, Journal of Chemical Health & Safety.

Course Guidance

Forum Guidelines

Initial Post

Post your initial response to each forum by 11:55 pm ET on Wednesday.

Your initial post should be at least 250 words.

Initial responses are to be original in content and demonstrate a thorough analysis of the topic.

Include at least 3 APA-cited references.

Replies to Classmates

Reply to at least two of your classmates in each forum by 11:55 pm ET on Sunday.

Replies to classmates should be at least 250 words.

Responses to classmates are informative and contribute to advancing knowledge of the topic.

Include at least 2 [APA](#)-cited references.

Assignments

Please be aware of due dates for assignments and exams. This class requires diligence to be able to keep up. Assignments must be turned in on time and are due each Sunday at 11:55PM EST.

Only in rare occasions will late assignments be accepted. Those are only in cases that have been approved prior to the due date. These must be emergency situations such as death in the family, unforeseen serious illness, or similar. Changes in work schedule, and such will not be accepted. After one week of the due date, no assignment or exam will be accepted.

Course extensions are intended for those rare, unexpected events that occur and may only be used as such. Please be aware that course extensions are rarely approved unless due to extenuating circumstances and well documented. At least 50% of the coursework must be completed at the time of the extension request. Falling behind, change in work schedule, and events that could have been foreseen or worked around will not be approved.

Please read carefully weekly course Announcements for upcoming weekly Assignments. They are posted a day ahead for the upcoming week under Course Announcements, and send them to your e-mail boxed as well. Your weekly Assignments have three components:

Reading Assignments, Uploaded Assignments (submit under Assignments) and Forum posts (post under Forums).

The weekly course Announcements, weekly uploaded Assignments and Weekly Forum posts are always in sync with each other.

Your weekly grade points score consists of points earned for each weekly Uploaded Assignment and points earned for all of each week's Forum contributions.

The course has Midterm and Final Exam. Pertinent information will be provided later in the course.

Citation and Reference Style

[APA](#)-style is required

Introduction Forum

It is very important that you participate in the Introduction Forum. Please introduce yourself to the class and me. Share where you work or plan to work after completing your program, your family, and any hobbies or special interests. Also tell us why you are taking this course and what you hope to gain from earning your degree. In addition, please take a look at the course objectives in the syllabus and discuss their relevance to your career goals.

Instructions: Your initial post should be at least 250 words. Please respond to at least 2 other students. Responses should be a minimum of 100 words. Participation in this forum serves as your official entry into the course and this is why we have drawn special attention to this assignment. You will be reminded of this Forum again in the Week 1 Lesson, but please keep in mind that you must submit this Introduction Forum by 11:55 p.m., ET, on Sunday of Week 1 to maintain your registration in the course.

Grading:

Name	Grade %
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Materials

Book Title: The readings for EDMG330 are available online and provided inside the classroom.

Author: N/A

Publication Info: N/A

ISBN: EDMG330-NTMO

This course will use web resources, original research papers, and instructor-provided papers and documents as the primary Resources.

Course Guidelines

This course requires a time management plan and the self-discipline to follow it. You are responsible for managing your time, completing assignments on time, completing the readings, and making inquiries as needed to complete the course effectively. This is an 8-week course, which means the material must be learned in a short period of time. This requires dedication and diligence on the part of each student.

Students will follow the American Psychological Association Style Guide (APA 6th Edition) as the sole citation and reference style used in written work submitted as part of this course. Specifically, the parenthetical citations-reference list style method, which includes in-text citations with an adjoining reference list, will be utilized. Additional information concerning this writing style can be found within the APUS Library.

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. If you find that 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.

University Policies

[Student Handbook](#)

- [Drop/Withdrawal policy](#)
- [Extension Requests](#)
- [Academic Probation](#)

- [Appeals](#)
- [Disability Accommodations](#)

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