

# **DRAFT ECEM 732-Prevention and Planning Course Syllabus**

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## **Course Description**

This course analyzes the methods by which governmental organizations, private sector entities, and the general public can prevent and prepare for natural, intentional, and technical disasters. It will discuss topics such as vulnerability and threat assessments, resources and capabilities identification/integration, and training and exercise programs.

## **Course Policies**

1. When meeting in seminar sessions, full, contributory participation is expected.
2. All bi-weekly short paper assignments must be turned in by the due date, but the student has the option to submit them early.
3. Academic honesty is expected under the terms of UNLV policy. Any form of cheating or plagiarism will result in a failing grade and the student will be subject to the UNLV disciplinary policies.
4. All sources must be cited using the American Psychological Association (APA) Style Manual.
5. Unannounced quizzes should be expected and will be calculated with exam grades.
6. Reading assignments may include only certain portions of an article, report, or government document. It is strongly suggested that the full document be considered as recommended reading.
7. It is recommended that students gain access to the following free websites:
  - MIPT Terrorism Knowledge Base (TKB) located at <http://tkb.org/Home.jsp>
  - Lessons Learned Information Sharing (llis) located at <https://www.llis.dhs.gov/index.cfm>
  - DHS Daily Open Source Infrastructure Report located at [http://www.dhs.gov/xinfoshare/programs/editorial\\_0542.shtm](http://www.dhs.gov/xinfoshare/programs/editorial_0542.shtm)

## **Grading**

Final grades will be based on points earned through: class participation (15%), assignments (35%), and exams (50%).

## **Course Objectives**

Upon completion of this course, students will be able to:

1. Compare and contrast emergency management prevention and planning strategies required to cope with natural, intentional, and technical disasters.
2. Summarize the intelligence process and describe how the public sector can be engaged to augment law enforcement and emergency service personnel.
3. Explain the relationships among asset, threat, vulnerability, and risk assessments.
4. Identify types and characteristics of mitigation countermeasures and issues to be considered in the implementation and employment of countermeasures.
5. Explain the interrelationships among the *National Preparedness Goal*, *National Response Plan*, *National Infrastructure Protection Plan*, *HSPDs (esp. 5 and 8)*, *Universal Task List*, and *Target Capabilities List* and how they guide local, regional, and state emergency planning.

## **Weekly Assignments**

***Prevention and Preparedness***

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In the section on Prevention and Preparedness, protecting people and property from the effects of natural, intentional, and technical disasters will be discussed. This section focuses on the potential of preventing disasters from occurring; preventing injury, damage, and destruction when the disaster is unavoidable; and preparing emergency management agencies to develop plans, policies, and procedures to protect the communities they serve.

### **WEEKS 1 & 2: Natural Disasters – Preparedness and Mitigation to Protect People and Property**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- Lessons we don't learn: A study of the lessons of disasters, why we repeat them, and how we can learn them.
- The Federal Response to Hurricane Katrina: Lessons Learned. (Read Chapters 1 and 2, pages 5-20.)
- A Failure of Initiative: Final Report of the Select Bipartisan Committee to Investigate the Preparation for and Response to Hurricane Katrina. Read Executive Summary pages 1-6.)
- Hurricane Katrina: A Nation Still Unprepared: Special Report of the Committee on Homeland Security and Governmental Affairs. (Read Executive Summary pages 1-19.)

### **WEEKS 3 & 4: Intentional Disasters – Terrorism Prevention and Deterrence**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- Report of the Future of Terrorism Task Force. Washington, DC: Department of Homeland Security.
- Thinking the inevitable: Suicide attacks in America and the design of effective public safety policies,
- Deterrence, terrorism, and American values.
- Final Report of the National Commission on Terrorist Attacks upon the United States: Executive Summary.

### **WEEKS 5 & 6: Intentional Disasters – Situational Awareness, Information, and Intelligence**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- Information Collection and Intelligence Sharing in the Commonwealth of Massachusetts.
- The USA Patriot Act: A Sketch.
- Intelligence Reform and Terrorism Prevention Act of 2005. (Read Section 1016.)

### **WEEKS 7 & 8: Technical Disasters – Prevention and Preparedness**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- Fire and Explosions at Rocket Fuel Plant: Henderson Nevada.
- 25 Years Later: Emergency Planning Still Unrealistic.
- Statement of Colonel Michael C. McDaniel. [Statement before the Joint Hearing on Implications of Power Blackouts for the Nation's Cybersecurity and Critical Infrastructure Protection: The Electrical Grid, Critical Interdependencies, Vulnerabilities and Readiness].
- [After Action Report on the Minneapolis, Minnesota bridge collapse if available at the time.]

### **WEEKS 9 & 10: Mid-term Exam**

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### ***Planning***

In the section on Planning, risk assessment, mitigation, and preparedness planning will be discussed. This section focuses on the emergency planning architecture, methodology, best practices, and government guidelines to develop emergency plans and strategies.

### **WEEKS 11 through 12: Asset, Threat, Vulnerability, Consequence, and Risk Assessment**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- FEMA 452: A How-To Guide to Mitigate Potential Terrorist Attacks Against Buildings. (Read Steps 1 through 4)
- Estimating Terrorism Risk.
- Using Risk Analysis to Inform Intelligence Analysis.
- The Terrorist Threat to the US Homeland.

### **WEEKS 13 & 14: Countermeasures**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- American Planning Association Policy Guide on Security
- FEMA 452: A How-To Guide to Mitigate Potential Terrorist Attacks Against Buildings. (Read Step 5)
- Evaluating the Societal Response to Antiterrorism Measures.

### **WEEKS 15 & 16: Preparedness – Public and Private Considerations in Disaster**

#### **Preparedness**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- FEMA Good Ideas Book: How People and Communities are Preparing for Disaster.
- Protecting Against Terrorism. MI5 (written for the private sector)
- Emergency Management Preparedness Standards: Overview and Options for Congress

### **WEEKS 17 & 18: Preparedness – Emergency Management Guidance**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- National Preparedness Goal (Read pages 1-23)
- Quick Reference Guide for the National Response Plan
- National Infrastructure Protection Plan Brochure
- Homeland Security Fact Sheets
- The Office for Domestic Preparedness Guidelines for Homeland Security Prevention and Deterrence.
- FEMA Guide for All-Hazard Emergency Operations Planning (Read pages 15-59)
- When Terrorism Hits Home: How Prepared are State and Local Law Enforcement? (Summary)

### **WEEKS 19 & 20: Preparedness – Emergency Management Planning**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- Implementing Capabilities-Based Planning through Preparedness Programs.
- Building a Contingency Menu: Using Capabilities-Based Planning for Homeland Defense and Homeland Security.

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- Incorporating Children in Community Disaster Plans.
- Ethical Considerations in Emergency Planning, Preparedness, and Response to Acts of Terrorism.

**WEEKS 21 & 22: Preparedness – Planning to Equip, Train, Exercise, and Evaluate**

Submit a short paper (1 page double-spaced) giving your thoughts/interpretation of the following readings:

- A Model for Assessing Public Health emergency Preparedness Competencies and Evaluating Training Based on the Local Preparedness Plan.
- Plans and Responses to Three Potential Anthrax Incident in March 2005: Executive Summary
- Measuring Prevention

**WEEKS 23: Final Exam**

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### **Course Readings**

- 9/11 Commission. (2004). *Final Report of the National Commission on Terrorist Attacks Upon the United States: Executive Summary*. Washington, DC: U.S. Government Printing Office. Retrieved July 28, 2007 from [http://www.9-11commission.gov/report/911Report\\_Exec.pdf](http://www.9-11commission.gov/report/911Report_Exec.pdf)
- [After Action Report on the Minneapolis, Minnesota bridge collapse if available at the time.]
- American Planning Association. (2006). *American Planning Association Policy Guide on Security*. Retrieved August 5, 2007 from <http://www.planning.org/policyguides/pdf/security.pdf>
- Brand, M., Kerby, D., Elledge, B., Johnson, D., & Magas, O. (2006). A model for assessing public health emergency preparedness competencies and evaluating training based on the local preparedness plan. *Journal of Homeland Security and Emergency Management*. 3(2). Retrieved July 30, 2007 from <http://www.bepress.com/cgi/viewcontent.cgi?article=1182&context=jhsem>
- Briefing and Roundtable Discussion on Preparedness, Response, and Recover for Children by Kathleen G. Henning at the invitation of Congresswoman Corrine Brown. *Incorporating Children in Community Disaster Plans*. Testimony. Retrieved June 25, 2007 from [http://www.iaem.com/pressroom/documents/Remarks\\_ChildrenRoundtable2007.pdf](http://www.iaem.com/pressroom/documents/Remarks_ChildrenRoundtable2007.pdf)
- Congressional Research Service. (2002). *Emergency Management Preparedness Standards: Overview and Options for Congress*. Retrieved January 10, 2007 from <http://www.fas.org/sgp/crs/homsec/RL32520.pdf>
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- Davis, L.M., Riley, K.J., Ridgeway, G. Pace, J. Cotton, S.K., Steinberg, P.S., Damphousse, K., & Smith, B.L. (2004). *When Terrorism Hits Home: How Prepared are State and Local Law Enforcement: Summary* Santa Monica, CA: RAND Corporation. Retrieved August 5, 2007 from [http://www.rand.org/pubs/monographs/2004/RAND\\_MG104.sum.pdf](http://www.rand.org/pubs/monographs/2004/RAND_MG104.sum.pdf)
- Department of Homeland Security. (2005). *Homeland Security Fact Sheets*. Washington, DC: Department of Homeland Security. Retrieved August 5, 2007 from <http://www.vaemergency.com/library/hspd8/HSPD8FactSheets.pdf>
- Department of Homeland Security. (2006). *Implementing Capabilities-Based Planning through Preparedness Programs*. Office of Grants and Training National Conference. November 30, 2006. Retrieved June 8, 2007 from [www.llis.gov](http://www.llis.gov).
- Department of Homeland Security. (2005). *National Preparedness Goal*. Washington, DC: Department of Homeland Security. Retrieved August 5, 2007 from <http://www.iaem.com/documents/FinalDraftNPG.pdf>.
- Department of Homeland Security. (2006). *National Infrastructure Protection Plan Brochure*. Washington, DC: Department of Homeland Security. Retrieved August 5, 2007 from [http://www.dhs.gov/xlibrary/assets/NIPP\\_Overview.pdf](http://www.dhs.gov/xlibrary/assets/NIPP_Overview.pdf)

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- Department of Homeland Security. (2006). *Quick Reference Guide for the National Response Plan*. Washington, DC: Department of Homeland Security. Retrieved August 5, 2007 from [http://www.dhs.gov/xlibrary/assets/NRP\\_Quick\\_Reference\\_Guide\\_5-22-06.pdf](http://www.dhs.gov/xlibrary/assets/NRP_Quick_Reference_Guide_5-22-06.pdf)
- Department of Homeland Security. (2006). *The Office for Domestic Preparedness Guidelines for Homeland Security June 2003: Prevention and Deterrence*. Washington, DC: Department of Homeland Security. Retrieved June 18, 2007 from <http://www.ojp.usdoj.gov/odp/docs/ODPPrev1.pdf>
- Donahue, A.K., & Tuohy, R.V. (2006). Lessons we don't learn: A study of the lessons of disasters, why we repeat them, and how we can learn them. *Homeland Security Affairs*, 2(2). Retrieved July 28, 2007 from <http://www.hsaj.org/pages/volume2/issue2/pdfs/2.2.4.pdf>.
- Federal Emergency Management Agency. (2005). Risk Assessment: A How-To Guide to Mitigate Potential Terrorist Attacks Against Buildings. FEMA. Retrieved August 4, 2007 from <http://www.fema.gov/plan/prevent/rms/rmsp452.shtm>.
- Federal Emergency Management Agency. (n.d.) *Good Ideas Book: How People and Communities are Preparing for Disaster*. Retrieved July 27, 2007 from [http://management.energy.gov/documents/FEMA\\_Good\\_Ideas\\_Book.pdf](http://management.energy.gov/documents/FEMA_Good_Ideas_Book.pdf)
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- Fisher, U. 2007. Deterrence, terrorism, and American values. *Homeland Security Affairs*, 3(1). Retrieved April 4, 2007 from <http://www.hsaj.org/pages/volume3/issue1/pdfs/3.1.4.pdf>.
- Goss, T. (2005). Building a contingency menu: using capabilities-based planning for homeland defense and homeland security. *Homeland Security Affairs*. 1(1). Retrieved June 20, 2007 from <http://www.hsaj.org/?fullarticle=1.1.5>
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- Homeland Security Institute. (2005). *Implementing Training Standards*. Report to the WA State Committee on Homeland Security Retrieved [http://hsi.wa.gov/pdf/Implementing\\_Training\\_Standards.pdf](http://hsi.wa.gov/pdf/Implementing_Training_Standards.pdf)
- Kelly, T.K., Tanielian, T., Don, B.D., Moore, M. Meade, C., McMahon, K.S., Baker, J.C., Cecchine, G., Prine, D.W., & Wermuth, M.A. (2006). Plans and responses to three potential anthrax incident in March 2005: Executive summary. Santa Monica, CA: RAND Corporation. Retrieved June 20, 2007 from [http://www.rand.org/pubs/monographs/2006/RAND\\_MG445.1.pdf](http://www.rand.org/pubs/monographs/2006/RAND_MG445.1.pdf)

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- Larkin, L.L., & Arnold, J. (2004). Ethical considerations in emergency planning, preparedness, and response to acts of terrorism. *Prehospital and Disaster Medicine*. 18(3). Web publication. Retrieved June 20, 2007 from <http://pdm.medicine.wisc.edu/18-3pdfs/170Larkin.pdf>
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