UNIVERSITY OF MARYLAND, BALTIMORE COUNTY
(Emergency Health Service Department)
EHS 320 - Disaster Management
MIEMSS/UMBC EHS Department
Fall, 1995
Jeffrey T. Mitchell, Ph.D.

Catalog Description:

EHS 0320 - Disaster Management - 3 credits
Mondays, 4:00 p.m. - 6:30 p.m. (SS 305)

Requirements, Assignments and Grading:

10% ...............Individual Hazard Assessment - Due October 9, 1995

10% ...............Class Project - Create final table top exercise (All class members are required to participate) - Due December 4, 1995

30% ...............Term Paper - In-Depth review of the literature on a specific disaster of your choosing (one person per disaster) - Due November 20, 1995

25% ...............Mid-Term Exam - October 16, 1995

25% ...............Final Exam - December 11, 1995 (Failure to participate in final drill costs a letter grade on final)

CLASS ATTENDANCE IS REQUIRED. Patterns of absences and lateness will be reflected negatively in the final grade.

A = 92 - 100
B = 91 - 80
C = 70 - 79
D = 60 - 69
F = 59 and below

Required Text


Jeffrey T. Mitchell, Ph.D.
Clinical Associate Professor
Emergency Health Services
Office - ACIV Room 311/Classroom - Social Sciences Room 305
Office hours by appointment only - Mondays and Tuesdays only
(301) 455-3777
Sept. 11 Introduction, assignments, requirements, standards. Key terms, background and historical perspectives and an overview of disaster management, natural/manmade disasters, hazard analysis.

Sept. 18 Pre Plan Exercise (table top)


Oct. 2 Designing the disaster response
Rehearsal for doom

Oct. 9 Incident operations and command

Oct. 16 Special consideration in disasters. Fire, EMS, law enforcement, assess, call for help, triage, rescue, control, coordinate.

**MID-TERM**

Oct. 23 Table Top Exercise

Oct. 30 Current issues in disaster
The effective critique

Nov. 6 Emotional aftershocks of disaster

Nov. 13 Hazardous materials

Nov. 20 Aircraft disasters

Nov. 27 Picking up the pieces psychologically

Dec. 4 Table Top Exercise (practice)

Dec. 11 **FINAL EXAM and Final Table Top Exercise**
Description: This course examines health needs and techniques for providing health care to populations displaced or affected by disasters or war. The goal of the course is to prepare students to manage disaster health response preparedness and planning, and to organize and manage disaster and refugee health care provision. The focus is both domestic and international.

Course Requirements: Students will be required to complete weekly readings and participate in course discussions. Students will conduct a disaster exercise, in group, for which they will be graded. They will also be required to write a disaster or refugee health services plan for a jurisdiction of choice, and present an oral synopsis of it.

Grading: 1/4 participation, 1/4 disaster exercise performance, and 1/2 written plan. The disaster exercise grade will be assigned to the entire group, and will be judged on the ability of the group to immediately recognize the affected community’s needs and organized an effective response to those needs. The written plan will be judged 1/3 on writing (clarity, grammar, presentation); 1/3 on content (complete understanding of the affected population’s probable health needs and effective assignment of resources to meet those needs); and 1/3 on oral presentation (clarity, conciseness, organization, speaking style).

Books and Required Readings: There are two required books and required readings from myriad other sources. The books are:

# READINGS AND TOPICS

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<th>Week</th>
<th>Topic</th>
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| 1.   | Introduction: Overview of the Magnitude of Disasters and Refugee-Producing Events in Terms of Their Impact on Human Populations.  
Auf der Heide: Chapters 1 & 2, pp 1-32.  
B.E. Harrell-Bond: Imposing Aid: Emergency Assistance to Refugees, forward and preface.  
Stephanie Simmonds, et al: Refugee Community Health Care, Chapter 1, pp 1-16.  
Frederick C. Cuny: Disasters and Development, Chapter 1, pp 11-20. |
| 2.   | Overview of Human Response to Disasters.  
Readings: S.W.A. Gunn: Earthquakes, in Baskett: Medicine for Disasters, pp 285-290  
4. **Overview of Disaster Effects on Human Health: Hurricanes, Floods, Tsunamis and Tornadoes.**


R.A. Bissell: pp 8-9, and 38-40 in Management of the Medical Response to Mass Casualties in a catastrophic Disaster, *op cit.*

Lincoln Chen: Chapters 2 & 3 in Disaster in Bangladesh, Oxford University Press, 1973.


5. **Overview of Disaster Effects on Human Health: Human-Caused Disasters and War**


*Guest Speaker: Jerry Overton, MS, Executive Director of the Richmond Ambulance Service: “Medical Care in Wartime Sarajevo.”

6. **The Incident Command System**

Auf der Heide: Chapter 7: The Incident Command System

*Guest Speaker: Chief Roger Simmonds, Anne Arundel County Fire Department

7. **Common Disaster Response Approaches in industrialized countries.**

Auf der Heide: Chapters 4, 5, 6, 8, and 9
8. **Common Disaster Response Approaches in Developing Countries.**


9. **Construction of a Disaster Health Plan**


10. **Overview of Refugees Health Care History and Logistics**

Chapter 1: Basic Considerations in Refugee Medicine, in Medical Care for Refugees, by Richard Sandler and Thomas C. Jones, New York: Oxford University Press, 1987, pp 3-12.

Chapters 2-6 in Simmonds, et al, pp 17-165.

11. **Refugee Care in a War Zone: Example of Iraqi Kurds**

Chapters 6-10 in Simmonds, et al, pp 166-248.

Guest speaker: Frederick Burkle, MD, MPH, Departments of Pediatrics and Emergency Medicine, University of Hawaii.

12. **Group Disaster Exercise Planning Period**

No readings. Class groups will use the time to prepare for the next week’s exercise.

13. **Group Disaster Exercise**

14. **Oral Presentation of Disaster/Refugee Health Plans**