

**GEORGIA STATE UNIVERSITY
(SCHOOL OF PUBLIC
ADMINISTRATION)**

GEORGIA STATE UNIVERSITY
SCHOOL OF PUBLIC ADMINISTRATION AND URBAN STUDIES

PAdm/US 836 - Emergency Management
Summer Quarter 1994
Instructor: Bill Waugh

This course provides an overview of the field of emergency management, with particular attention to the roles of local governments and nonprofit agencies and to the functions of disaster preparedness, mitigation, response, and recovery. The major organizational and policy problems involved in the identification and management of environmental hazards are also addressed. Lessons are drawn from the Loma Prieta earthquake and Hurricanes Hugo and Andrew, as well as from other major American and international disasters, and the potential for major disasters in the Atlanta metropolitan area and elsewhere in the southeastern United States.

Required texts:

William L. Waugh, Jr., and Ronald John Hy, eds., *Handbook of Emergency Management: Policies and Programs for Dealing with Major Hazards and Disasters* (Westport, Conn.: Greenwood Press, 1990).

Richard T. Sylves and William L. Waugh, eds., *Cities and Disaster: North American Studies in Emergency Management* (Springfield, Ill.: Charles C. Thomas Publishers, 1990).

Supplementary Readings (Available in Library and from Instructor):

Thomas E. Drabek and Gerard J. Hoetmer, eds., *Emergency Management: Principles and Practice for Local Government* (Washington, DC: International City/County Management Association, 1991).

Louise K. Comfort, ed., *Managing Disaster: Strategies and Policy Perspectives* (Durham, NC: Duke University Press, 1988).

Course requirements:

This is a seminar course, therefore class participation is essential and will represent a significant percentage of the final grade. There will also be supplementary readings, case analyses, guest speakers, and other class activities that will require regular attendance.

Grading:	Midterm examination	40%
	Research Project	40%
	Participation	<u>20%</u>
		100%

Research projects will focus on an aspect of hazard or disaster management. Topics may include such concerns as general disaster management (e.g., financial management, human resource

management, emergency planning, warning and evacuation systems, intergovernmental relations, or applications of information technologies), the role of a particular disaster response agency (e.g., emergency medical services, police department, fire services agency, state or local EM office, hospital, the Red Cross, the Salvation Army, the State Department's Office of Foreign Disaster Assistance, or the UN Office of Disaster Relief), a specific program (e.g., flood insurance, earthquake insurance, or Superfund), or a specific disaster experience (e.g., earthquakes, hurricane, or fire). Students will present their research findings to the class at the end of the term.

Advice and Assistance:

Students having difficulty with the course material or requirements are strongly encouraged to meet with the instructor at the earliest date possible.

Regular office hours: 4:00 - 5:00 Tuesdays & Thursdays or by appointment

Office: 1248 Urban Life Building

Telephones: 651-4592 - Office/Voice Mail

TENTATIVE SCHEDULE OF READINGS, CLASS DISCUSSIONS, AND EXAMS

June 23 (Thurs)	Introduction to Emergency Management	
June 25 (Tues)	The Evolution of Emergency Management	Waugh & Hy, Ch 1-2 Sylves & Waugh, Ch XI
June 30 (Thurs)	Reinventing FEMA Disaster Declarations	Handouts Sylves & Waugh, Ch II
July 5 (Tues)	State & Local Agencies NYC Emergency Mgt World Trade Ctr Case	Sylves & Waugh, Ch I, VII, VIII, IX Sylves & Waugh, Ch X
July 7 (Thurs)	Earthquakes and Volcanic Hazards Loma Prieta Case Study	Waugh & Hy, Ch 3-4
July 12 (Tues)	Hurricanes Hugo and Andrew Cases	Waugh & Hy, Ch 3
July 14 (Thurs)	Flood Hazard Mgmt Tornadoes	Sylves & Waugh, Ch III-IV Waugh & Hy, Ch 6-7

July 19 (Tues)	Drought, Wildfire and Acid Rain	Waugh & Hy, Ch 8-9 Sylves & Waugh, Ch V
July 21 (Thurs)	Nuclear and Hazmat Accidents Case Studies	Waugh & Hy, Ch 10-11 Handouts
July 26 (Tues)	MIDTERM EXAMINATION	
July 28 (Thurs)	Aviation Disasters Case Studies	Waugh & Hy, Ch 12 Sylves & Waugh, Ch VI
Aug 2 (Tues)	Structural Failures Hyatt Skywalk Case	Waugh & Hy, Ch 13 Handouts
Aug 4 (Thurs)	Public Health and Civil Defense	Waugh & Hy, Ch 14-15
Aug 9 (Tues)	Student Presentations	
Aug 11 (Thurs)	Student Presentations	
Aug 16 (Tues)	Conclusions Student Presentations	Waugh & Hy, Ch 16
August 18, 2:30 pm (Thurs)	FINAL	(Papers Due)

Note: This schedule is subject to change as necessary.

GEORGIA STATE UNIVERSITY

SCHOOL OF POLICY STUDIES

DEPARTMENT OF PUBLIC ADMINISTRATION AND URBAN STUDIES

PAUS 8271 - Disaster Management

Maymester 1999

Instructor: Bill Waugh

This course provides an overview of the field of emergency management, with particular attention to the roles of local governments and nonprofit agencies in disaster management and to the functions of disaster preparedness, mitigation, response, and recovery. The major organizational and policy problems involved in the identification and management of environmental hazards are also addressed. Lessons are drawn from the Loma Prieta earthquake and Hurricanes Hugo and Andrew, as well as from other major American and international disasters, and the potential for major disasters in the Atlanta metropolitan area and elsewhere in the southeastern United States.

Required text:

Richard T. Sylves and William L. Waugh, Jr., eds., *Disaster Management in the U.S. and Canada* (Springfield, Ill.: Charles C. Thomas Publishers, 1996).

Supplementary Readings (available in library and/or from instructor):

Louise K. Comfort, ed., *Managing Disaster: Strategies and Policy Perspectives* (Durham, NC: Duke University Press, 1988).

Thomas E. Drabek and Gerard J. Hoetmer, eds., *Emergency Management: Principles and Practice for Local Government* (Washington, DC: International City/County Management Association, 1991).

National Academy of Public Administration, *Building an Emergency Management System to Meet People's Needs in Natural and Manmade Disasters* (Washington, D.C.: NAPA, February 1993).

National Research Council, *Facing the Challenge: The U.S. National Report to the IDNDR World Conference on Natural Disaster Reduction, Yokohama, Japan, May 23-27, 1994* (Washington, D.C.: National Academy Press, 1994).

Richard T. Sylves and William L. Waugh, eds., *Cities and Disaster: North American Studies in Emergency Management* (Springfield, Ill.: Charles C. Thomas Publishers, 1990).

William L. Waugh, Jr., and Ronald John Hy, eds., *Handbook of Emergency Management: Policies and Programs for Dealing with Major Hazards and Disasters* (Westport, Conn.: Greenwood Press, 1990).

William L. Waugh, *Terrorism and Emergency Management* (New York: Marcel Dekker, 1990).

Students are also encouraged to use **Internet** information sources and a listing of web sites will be provided. It is possible to subscribe to discussion lists for a variety of disaster organizations and related professions and to receive email notification of earthquakes and other disasters, federal disaster relief announcements, job announcements, research opportunities, and other relevant news from the field. The United Nations conducts Internet conferences periodically and information is also available on emergency management programs and activities in Canada, Australia, Japan, and other nations. Students should at least become familiar with the following sites:

<http://www.fema.gov> - for basic information on the federal emergency management system, reports, information sources, status reports on disasters (including El Nino), and connections to state and local emergency management information (including information on the Georgia Emergency Management Agency).

<http://www.colorado.edu/hazards> - for information regarding specific hazards, full texts of papers (including the Natural Hazards Center's series of Working Papers and Quick Response Grant reports for recent disasters), and information sources.

<http://www.emforum.org> - for general information on emergency management provided by the Emergency Information Infrastructure Partnership which includes public agencies, private firms, nonprofit organizations, and universities. The partnership sponsors informal chat session and online presentations and posts papers, documents, and other materials.

Course requirements:

This is a seminar course, therefore class participation is essential and will represent a significant percentage of the final grade. The exam will include a research exercise and there will be opportunity for discussion of individual findings during the last class period. No formal presentation will be required, but students are expected to share the information they find. There will also be supplementary readings, case analyses, and other class activities that will require student participation.

Grading: Examination -----80%
 Participation-----20%
 100%

One of the examination questions will require some research on an aspect of hazard or disaster management or a particular case or set of cases. Assistance will be provided on topic selection and possible sources of information. Topics may include such concerns as general disaster

management (e.g., financial management, human resource management, emergency planning, warning and evacuation systems, intergovernmental relations, or applications of information technology), the role of a particular disaster response agency (e.g., emergency medical services, police department, fire services agency, state or local EM office, hospital, the Red Cross, the Salvation Army, the State Department's Office of Foreign Disaster Assistance, or the UN Office of Disaster Relief), a specific program (e.g., flood insurance, earthquake insurance, or Superfund), or a specific disaster experience (e.g., earthquakes, hurricane, or fire). Students will present their research findings to the class during the last class period, so presentations necessarily will be short - no more than five minutes.

Advice and Assistance:

Students having difficulty with the course material or requirements are strongly encouraged to meet with the instructor at the earliest date possible.

Regular office hours: 3:00 - 4:00 M-F, or by appointment
Office: 1248 Urban Life Building
Telephones: 404.651.4592 – Office/Voice Mail
Email: wwaugh@gsu.edu

TENTATIVE SCHEDULE OF READINGS, DISCUSSIONS, AND EXAM

May 17, Monday	Introduction to Disaster Management and an Overview of the National Emergency Management System Case: The Great 1906 San Francisco Earthquake Handouts: The New Madrid Earthquakes of 1811-12 and the Charleston Earthquake
May 18, Tuesday	Mitigation: Earthquakes Cases: The Northridge Earthquake of 1994 and the Kobe Earthquake of 1995 Readings: Chapters I, II, and III in Sylves and Waugh Handout: Earthquake Insurance
May 19, Wednesday	Preparedness and Mitigation: Volcanoes Cases: Vesuvius and Mt. Rainier Handout: Acceptable Risk
May 20, Thursday	Preparedness and Warning Systems: Tornadoes Cases: The Palm Sunday Outbreak of 1994 (including the Goshen, Alabama, Church case) and the North Metro Tornadoes of 1998

May 21, Friday	Mitigation and Response: Wildfire Cases: The Florida Fires of 1998 and 1999 Handout: The Incident Command System Readings: Chapters V, VI, and VII in Sylves and Waugh
May 22, Saturday	Individual Research Assistance
May 24, Monday	Mitigation and Preparedness: Hurricanes Cases: Hurricanes Hugo, Andrew and Mitch Handout: The Psychology of Evacuation & Policy Design Readings: Chapter XV in Sylves and Waugh
May 25, Tuesday	Structural Mitigation: Floods Cases: The Great Midwest Flood of 1993 and the South Georgia Flood of 1994 Handout: The National Flood Insurance Program Readings: Chapters VIII and IX in Sylves and Waugh
May 26, Wednesday	Mitigation and Preparedness: Technological Disasters Case: The Y2K Problem Handout: The Y2K Timebomb Reading: Chapters X and XII in Sylves and Waugh
May 27, Thursday	Preparedness and Response: Terrorism Case: The Murrah Federal Building Bombing of 1995 Handout: Managing Terrorism as an Environmental Hazard
May 28, Friday	Individual Research Assistance
May 31, Monday	Memorial Day Holiday
June 1, Tuesday	Response: Aircraft Disasters Case: The Des Moines, Iowa, Crash Handout: The San Diego and Gander Crashes
June 2, Wednesday	Preparedness: Public Health Emergencies Cases: The 1918 Spanish Flu Epidemic and the 1976 Swine Flu Scare
June 3, Thursday	Mitigation: Structural Failures Cases: The Johnstown Flood and the Hyatt Skywalk Disaster Readings: Chapter XI in Sylves and Waugh Handout: Building Regulation
June 4, Friday	Conclusions Readings: Chapter XVI in Sylves and Waugh

June 5, Saturday

Final Examination

Note: This schedule is subject to change as necessary.