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


**Supplementary Readings (Available in Library and from Instructor):**


**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: 20%

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Readings</th>
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<tbody>
<tr>
<td>June 23</td>
<td>Introduction to Emergency Management</td>
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<tr>
<td>June 25</td>
<td>The Evolution of Emergency Management</td>
<td>Waugh &amp; Hy, Ch 1-2</td>
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<td></td>
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<td>Sylves &amp; Waugh, Ch XI</td>
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<td>June 30</td>
<td>Reinventing FEMA Disaster Declarations</td>
<td>Handouts</td>
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<td>Sylves &amp; Waugh, Ch II</td>
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<td>July 5</td>
<td>State &amp; Local Agencies</td>
<td>Sylves &amp; Waugh, Ch I, VII, VIII, IX</td>
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<td>NYC Emergency Mgt</td>
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<td>World Trade Ctr Case</td>
<td>Sylves &amp; Waugh, Ch X</td>
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<td>July 7</td>
<td>Earthquakes and Volcanic Hazards</td>
<td>Waugh &amp; Hy, Ch 3-4</td>
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<td>Loma Prieta Case Study</td>
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<td>July 12</td>
<td>Hurricanes</td>
<td>Waugh &amp; Hy, Ch 3</td>
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<td></td>
<td>Hugo and Andrew Cases</td>
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<td>July 14</td>
<td>Flood Hazard Mgmt</td>
<td>Sylves &amp; Waugh, Ch III-IV</td>
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<td>Tornadoes</td>
<td>Waugh &amp; Hy, Ch 6-7</td>
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July 19 (Tues)  Drought, Wildfire and Acid Rain  Waugh & Hy, Ch 8-9  Sylves & Waugh, Ch V
July 21 (Thurs)  Nuclear and Hazmat Accidents  Waugh & Hy, Ch 10-11
              Case Studies  Handouts
July 26 (Tues)  MIDTERM EXAMINATION
July 28 (Thurs)  Aviation Disasters  Waugh & Hy, Ch 12
              Case Studies  Sylves & Waugh, Ch VI
Aug 2 (Tues)  Structural Failures  Waugh & Hy, Ch 13
              Hyatt Skywalk Case  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  Waugh & Hy, Ch 16
              Student Presentations
August 18, 2:30 pm (Thurs)  FINAL (Papers Due)

Note: This schedule is subject to change as necessary.
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

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

Louise K. Comfort, ed., Managing Disaster: Strategies and Policy Perspectives (Durham, NC:

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

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

Richard T. Sylves and William L. Waugh, eds., Cities and Disaster: North American Studies in


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](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](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](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:**

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<tr>
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<th>Percentage</th>
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<tbody>
<tr>
<td>Examination</td>
<td>80%</td>
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<tr>
<td>Participation</td>
<td>20%</td>
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<tr>
<td><strong>Total</strong></td>
<td>100%</td>
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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.