Challenges in Crisis and Disaster Management
PSC 700, PAI 700, ECS 600, GEO 700
Tuesday May 27 – Saturday May 31
9:30 AM 4:30 PM

David Chandler, dgchandl@syr.edu
Bruce Dayton, bwdayton@syr.edu
Margaret (Peg) Hermann, mgherman@syr.edu
Anne Mosher, amosher@maxwell.syr.edu
Keli Perrin, kaperrin@law.syr.edu

Description

Crises and disasters are unwelcome but also unavoidable features of modern society. They can emerge within any domain, may be of human or of natural origin, and can last anywhere from hours, to days, to months and beyond. While sometimes the crisis itself is the undoing of an organization or society, it is the way that we response to crises that often makes the difference between catastrophe and greater resilience. Challenges in Crisis and Disaster Management will examine the dynamics and processes that occur as policy makers, scientists, engineers, and citizens struggle to cope with crisis and disaster situations. We will identify the reasons why crises and disasters are so difficult to deal with as well as identify skills and practices that have proven to be effective in forecasting, preparing for, managing, communicating about and learning from crises. A wide range of crises will be examined across the course including: humanitarian emergencies, political instability and civil unrest, terrorism, natural disasters, health pandemics, industrial accidents, financial crises, and foreign policy fiascos. The workshop is dynamic, offering a combination of seminars, lectures, group exercises, and concluding with a simulation exercise. The course will lead by Bruce W. Dayton (Political Science), Anne Mosher (Geography), Margaret Hermann (Moynihan Institute), Keli Perrin (INSCT), and David Chandler (Civil and Environmental Engineering).

READING MATERIALS

Materials on Class Web Site

A web site has been created for this class which contains all other readings (other than URLs) listed in this syllabus, the case writing manual you will use to write your own case, Power Point presentations and additional materials. The address for the web page is:

http://classes.maxwell.syr.edu/psc700

The site is password protected. To gain entry, use the following name and password:

User name: crisismanagement
Password: SP2014

CLASS REQUIREMENTS

1. Class Participation, 40% of final grade

The class participation grade will include your record of attendance and the quality of your contributions to class discussion, exercises, a group presentation. It is expected that all students will attend all class sessions.

2. Exit Paper, 60% of final grade

Each student will complete a paper that reflects on the class simulation to be held on Saturday morning, 5/31/14. Approximate length should be 2,500 words. That paper should critically analyze the challenges of crisis management that were revealed by the simulation. Papers must comprehensively integrate the course readings into the analysis. The essay question(s) for the exit paper will be created by the students in the course on Saturday afternoon.

Reports are due on Monday June 2nd by 4:30 PM at the front desk of the Moynihan Institute, 346 Eggers Hall.

ACADEMIC INTEGRITY

It is your responsibility to ensure that your participation in this course complies with the terms of the Syracuse University Academic Integrity Policy. See:
http://academicintegrity.syr.edu/uploads/docs/SU%20AI%20Policies%20Procedures.pdf

Violations of this policy can result in a failing grade, suspension, or expulsion from the university. Plagiarism is defined at SU as the representation of another's words, ideas, programs, formulae, opinions, or other products of work as one's own, either overtly or by failing to attribute them to their true source" (*Syracuse University Bulletin* 2003-2004: p. 2).

FAITH TRADITION OBSERVANCES

Syracuse University does not have non-instructional days for any religious holiday and students must notify instructors by the end of the second week of classes when they will be observing their religious holiday(s). SU's religious observances policy, found at
http://supolicies.syr.edu/emp_ben/religious_observance.htm,

DISABILITY SERVICES AND ACCOMODATION

If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), http://disabilityservices.syr.edu, located at 804 University Avenue, room 309, or call 315-443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented disabilities "Accommodation

Authorization Letters," as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible.

SCHEDULE

	Tuesday 5/27	Wednesday 5/28	Thursday 5/29	Friday 5/30	Saturday 5/31
9:30 AM	Crises and Disasters as the ultimate multi-disciplinary Mess *Anne Mosher* Definitions and the Crisis and Disaster Management Cycle *Bruce Dayton*	Resilience and Vulnerability *Anne Mosher Jonnell Robinson*	Decision Making in Disaster and Crisis Situations *Bruce Dayton* Crisis and Disaster Leadership *Peg Hermann*	Crisis Communications *Danielle Cummings*	Class Simulation
12:00 PM	Complex Systems in Crisis *Keli Perrin*	Continued	*Laura Steinberg* Dean L.C. Smith College	Greening in the Red Zone *Keith Tidball*	Continued
2:00 PM	Risk and Risk Management *David Chandler*	Continued	The Use of Social Media in Crisis and Disaster Situations *Ines Mergel*	The US Emergency Management System *Randy Griffin*	Negotiation and writing of exit paper question(s)

READING

May 27th

Boin, A. Legadec, P. Preparing for the Future: Critical Challenges in Crisis Management. *Journal of Contingencies and Crisis Management* (8) 4: 04 found at: http://www.patricklagadec.net/fr/pdf/Preparing_the_future.pdf

Department of Homeland Security (2011), Risk Management Fundamentals: Homeland Security Risk Management Doctrine. Washington, DC.

Park, J. Integrating Risk and Resilience Approaches to Catastrophic Management in Engineering Systems, *Risk Analysis*, 33 (3) 2013.

The Chronicle Review risk assessment tool, May 2013 at: http://www3.weforum.org/tools/rrn/wef_grr/20130226/index.htm#category=all&tab=impact&sidebar=riskinfo&cog=&clusters=&risk=25&filter=0

Tansey & O'Riordan (1999) Cultural Theory and Risk. Health, Risk, and Society, 1 (1). Available at: http://paulhadrien.info/backup/LSE/IS%20490/utile/cultural%20theory%20and%20risk%20review.pdf

Slovic, P., Trust, Emotion, Sex, Politics, and Science: Surveying the Risk-Assessment Battlefield. *Risk Analysis*, 19 (4) 1999.

May 28th

Cutter, et. al. Social Vulnerability to Environmental Hazard. Social Science Quarterly 84 (2). 2003.

Susan Starr, Ethnography of Infrastructure. *American Behavioral Scientist* 43 (3), 1999.

Cutter, S. The Vulnerability of Science and the Science of Vulnerability. Annals of the Association of American Geographers, 93 (1), 2003.

Park, J. et. al. Integrating Risk and Resilience Approaches to Catastrophic Management in Engineering Systems. Risk Analysis, 33 (3), 2013.

Agurrie, B. Dialectic of Vulnerability and Resilience. *Georgetown Journal on Poverty, Law, and Policy*, 14 (1) 2007.

McIntire, D., et. al. Addressing Vulnerability through an Integrated Approach. *International Journal of Disaster Resilience in the Built Environment*. 1 (1), 2010.

May 29th

Margaret Hermann. Indicators of Stress in Policy Makers, *Political Psychology*

Steven Green, *Rational Choice Theory: An Overview*. Prepared for Baylor University Faculty Development Seminar, 2002

Rosoti, A Cognitive Approach (see pdf)

Hermann, M. How Decision Units Make Foreign Policy

Boin et. al, Chapter 3: Decision Making: Critical Choices and their Implications

Integrating Social Media into Emergency Preparedness

Emergency Management and Social Media

May 30th

Grodzins, The American System.

McIntire, 2010, *Emergency Management in the US: Disasters Experienced, Lessons Learned, and Recommendations for the Future*

Department of Homeland Security, *National Incident Management System*. Washington, DC: 2008