

Planning for Disaster Preparedness & Recovery

College of Urban and Public Affairs
Toulan School of Urban Studies and Planning

USP 410/510 CRN 64442, Spring 2011, Ric Stephens, Instructor



References

- 100-year flood
- CBRN (chemical, biological, radiological, nuclear)
- civil disorder / strife / unrest
- coastal high-hazard area
- disaster, natural / man-made
- disaster life cycle
- disaster mitigation
- disaster operations
- disaster phases
- disaster preparedness
- disaster relief agencies & NGOs
- disaster resiliency
- disaster risk indicators
- disaster risk reduction (DRR)
- emergency operations / response plan
- epidemic / pandemic
- existential risk
- exposure
- FEMA (Federal Emergency Management Agency)
- Flood Insurance Rate Map (FIRM)
- floodplain
- fuel modification plan / zone
- Fujita scale
- ground failure
- hazard, natural / technological / terrorism
- hazard identification & mitigation
- Interagency Hazard Mitigation Team
- Issue Attention Cycle
- lifeline systems
- Modified Mercalli Scale
- natural hazard
- Oregon Department of Geology and Mineral Industries (DOGAMI)
- Oregon Emergency Management (OEM)
- Oregon Partnership for Disaster Resilience
- Oregon Statewide Planning Goal 7: Areas Subject to Natural Hazards
- post-conflict reconstruction / recovery
- post-disaster reconstruction / recovery
- preliminary damage assessment (PDA)
- redevelopment
- regeneration, regenerative design
- revitalization
- Richter scale
- risk, risk assessment, risk management
- risk-based planning
- Saffir/Simpson scale
- seismic safety element
- Stafford Act
- sustainable development
- urban wildfire
- vulnerability

Contact

Ric Stephens

richard.stephens@pdx.edu

www.stephensplanning.com

+1 (503) 501-7397



Description

Planning for disaster preparedness, disaster response, post-disaster recovery, reconstruction and revitalization. Risk assessment and management. Global changes including climate change (GCC), financial crisis (GFC), and population growth (GPG). Emergency measures and operations. Disaster trends and projections. Innovative tools, techniques and approaches to post-disaster and post-conflict recovery planning.

Outline

1. What is a disaster?
2. Planning for the Unthinkable
3. Global Changes
4. Risk Assessment & Management
5. Disaster Preparedness
6. Disaster Operations
7. Disaster Recovery
8. Resiliency & Revitalization
9. Trends & Projections
10. Where do we go from here?

Materials

Textbooks

Disaster Response and Recovery: Strategies and Tactics for Resilience

David A McEntire
Wiley, 2007

Recommended

Cultural Heritage Disaster Mitigation Studies

Research Center for
Disaster Mitigation of
Urban Cultural
Heritage, Ritsumeikan
University, 2010

Planning for Post-Disaster Recovery and Reconstruction

Jim Schwab et al
American Planning
Association, 1998

Planning for the Unexpected: Land-Use Development and Risk

Laurie Johnson et al
American Planning
Association, 2005

Class Format

Class meets on Thursdays from 10:00AM-12:40PM. In general, classes begin with the subject framework presentation followed by class discussion. Case studies and current topics are then presented by the instructor and/or guest speakers

events. Please suggest relevant topics and speakers of interest.

- 1. What is a disaster? 3/31**
Understanding disasters, hazards and risks.
- 2. Planning for the Unthinkable 4/7**
Disaster phases. Overview of

Hazard identification & mitigation. Risk-based planning.

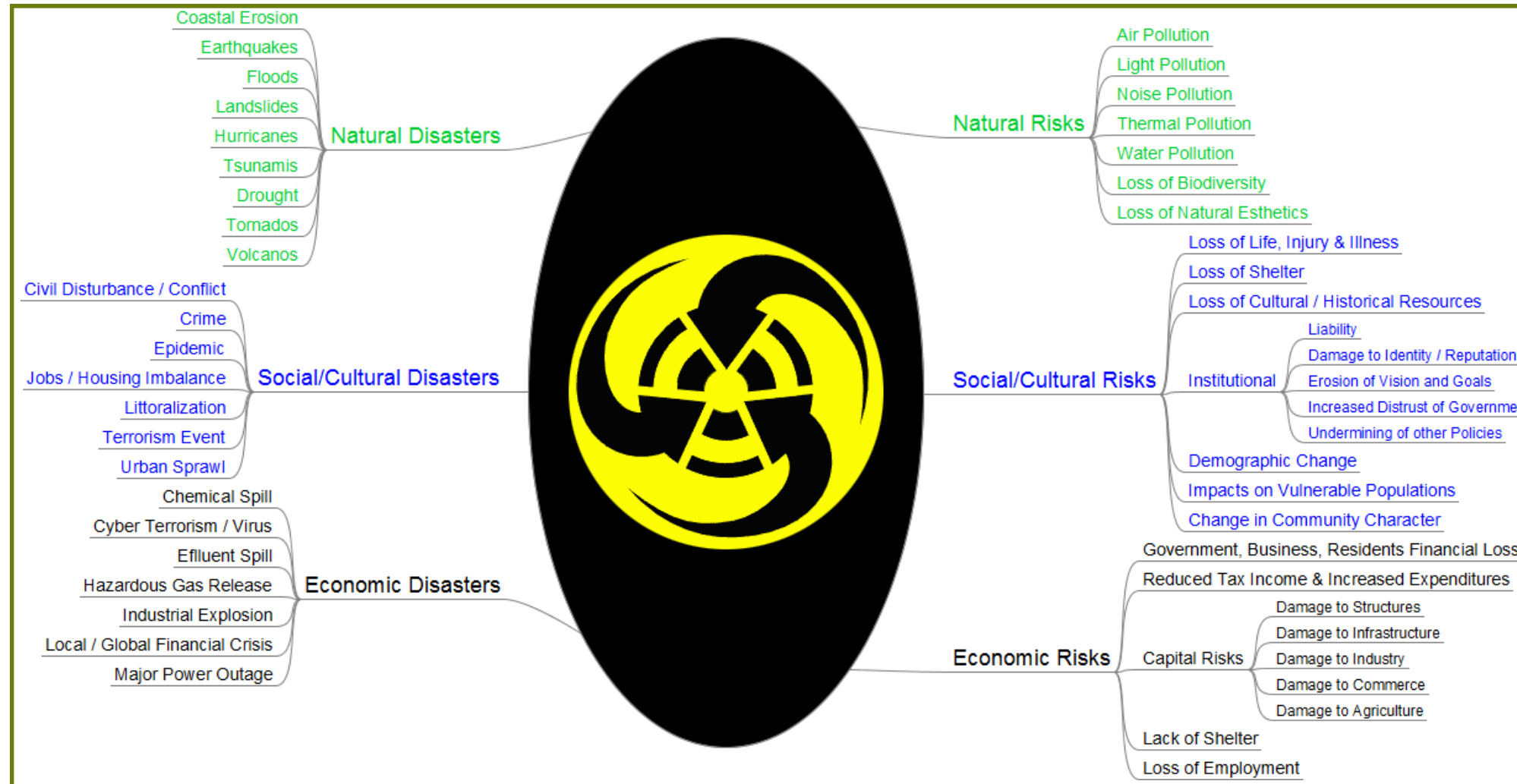
- 5. Disaster Preparedness 4/28**
Oregon Statewide Planning Goal 7: Areas Subject to Natural Hazards.
- 6. Disaster Operations 5/5**

Revitalization 5/19

Long-range planning strategies. Sustainable development & regenerative design.

9. Trends & Projections 5/26

Issue Attention Cycle. Evolving hazards & existential risk. Integrated humanitarian coordination.



followed by class discussion. It is important to attend all classes for subject matter continuity and exam preparation.

Schedule

The course outline will be adjusted to accommodate guest speaker schedules and current

disaster preparedness & recovery.

- 3. Global Changes 4/14**
Climate change (GCC), global financial crisis (GFC, global population growth (GPG).

- 4. Risk Assessment & Management 4/21**

Emergency operations & response plans. Mid-term exam

- 7. Disaster Recovery 5/12**
Post-disaster & post-conflict recovery/reconstruction plans. Disaster relief agencies & NGOs.

- 8. Resiliency &**

10. Where do we go from here? 6/2

Presentations, Conclusions & Recommendations

Final Exam & Term Paper 6/9



Requirements

Class periods include lectures by the instructor and guest speakers with class discussion. It is important that students keep current in the reading assignments. This will enable students to develop a depth of understanding of each of the subject topics for class discussion.

- Attendance & Class Participation [30%]
- Mid-Term Exam [20%]
40 questions, multiple choice
- Term Paper Outline
1-page
- Final Exam [20%]
40 questions, multiple choice
- Term Paper & Presentation [30%]
5-page text and 10+ reference bibliography