

Asian Institute of Technology
School of Environment, Resources and Development (SERD) and
School of Engineering and Technology (SET)
Disaster Preparedness, Mitigation and Management (DPMM)

IN84.05 Disaster Governance, Policy and Risk Management 3(3-0)

Semester: August

Course Objective:

Disaster governance and risk management particularly for natural hazards is an emerging concept in the disaster research that is closely related to risk and environmental governance. Disaster governance is nested within and influenced by overarching societal governance systems. Mainstreaming of Disaster Risk Reduction (DRR) is a governance process enabling the systematic integration of DRR concerns into all relevant development spheres. Well-coordinated and efficient disaster governance approaches contribute to long-term sustainability. The objective of this course is to provide students with a sound knowledge on major and emerging issues and viewpoints confronting recent trend on disaster governance, policy and risk management. The course will also develop the skills of students to analyze the critical issues and challenges on the risk governance and policy related to the natural hazards.

Learning Outcomes:

Upon successful completion of this course, the students will be able to:

- Explain the concepts of disaster risk governance
- Explain Policy issues at the National and subnational level pertaining to disaster risk management
- Analyze rural and urban development concerns and its linkages with disaster risk
- Do critical analysis for DRR mainstreaming challenges in regional and local context

Prerequisite: None

Course Outline:

I. Concepts on Background

1. Disaster Risk Management Concepts
2. Disaster Management Phases
3. Risk Governance for Natural Disasters
4. Importance of Disaster Governance and Challenges

II. Development and Disaster Risk Reduction

1. Urban and Rural Development concepts
2. Good Governance and DRR
3. Local governance and Decentralization
4. Framework for DRR Mainstreaming
5. Regional and National Eco-DRR initiatives
6. Environment, Development and DRR

III. Disaster Governance and Policy, Planning

1. Asian and South Asian DRR initiatives
2. International and Regional Policy on DRR
3. Economic impacts and Insurance for Natural Disasters
4. Safe city initiatives and Urban planning
5. Tools and techniques for Needs assessment for DRR and Resilience

IV. Institutional Framework

1. International and Regional institutions on Disaster Risk Management

2. International and Regional roles and responsibilities
3. Roles and responsibilities at national and local level
4. Participatory Planning and role of community

Laboratory Session(s): None

Learning Resources:

Textbooks: Lecture notes and selected papers

Reference Books:

1. Andy Gouldson (Ed), (2013) Environmental Policy and Governance, Wiley, USA.
2. Thomas A. Birkland (2006), Lessons of Disaster: Policy Change after Catastrophic Events, (American Governance and Public Policy), Georgetown University Press, Washington DC, USA.
3. Patrick Robert (2013), Disasters and the American State: How Politicians, Bureaucrats and the Public Prepare for the Unexpected, Cambridge University Press, New York, USA.
4. Mostofa Mukul and Farida Akhtar Khanam (2013), Role of Disaster Governance in Disaster Risk Management, LAP Lambert Academic Publishing, Germany.

Journals and Magazines:

1. International Journal of Disaster Risk Science, Springer
2. Governance: An International Journal of Policy, Administration and Institutions, Asia Pacific Governance Institute, Washington DC, USA
3. Disaster Prevention and Management: An International Journal, Emerald
4. Journal of Environmental Planning and Management, Taylor & Francis

Others:

1. Disaster Response in Asia and the Pacific (A Guide to International Tools and Services) (2013), UN-OCHA, Bangkok.
2. Global Assessment Report on Disaster Risk Reduction (2015), UNISDR, Geneva.

Teaching and Learning Methods:

Class room lectures, Assignment, Term Paper / Case Study (Presentation, Analysis and Discussions)

Time Distribution and Study Load:

- Lectures: 45 hours
- Self-study: 135 hours
- Assignment, presentations and group activities: 18 hours

Evaluation Scheme:

Mid-semester examination: 30%

Final examination: 30%

Assignment: 10 %,

Term paper: 20%

Presentation: 10%

Both Mid-semester and Final examinations will be closed book.

Grade "A" will be awarded if a student can demonstrate thorough knowledge and mastery of concepts and techniques and understanding of subject matter with high degree of skill to relate them with real world situations, Grade "B" will be awarded if a student can demonstrate good knowledge and understanding of subject matter with good skill of relating them with real cases. Grade "C" will be given if a student can demonstrate some knowledge of the concepts and understanding but lacks skill of relating them with real world cases. Grade "D" will be given if a student has poor understanding of concepts and

techniques with no or little skill to relate with real world cases. Grade “F” will be given if student demonstrates very poor and limited knowledge and understanding of concepts and lacks the skill to relate with real world cases.

Instructor(s): Dr. Indrajit Pal