

GPA 423 Disaster Management and Risk Reduction (DMRR)

Pre requisites: None

Learning objectives:

This course aims to provide fundamental understanding of different aspects of Disaster Management and Risk Reduction. It will introduce students to the factors that give rise to disaster vulnerabilities (e.g. natural, physical, social, economic, policies, and governance) and provide them with knowledge and capabilities to assess and manage these vulnerabilities through disaster planning and policy-making.

Learning outcomes:

After completing the course, students should be able to:

- Have a sound theoretical and conceptual understanding of Disaster Management and Risk Reduction (DMRR)
- Develop a deep understanding of disaster resilience, risk mitigation, and recovery policies as they arise from natural hazards around the globe
- Develop the capacity to participate in debates on disaster governance and societal reconstruction especially in the context of Pakistan

Course Contents:

Definitions and Classification of Natural Hazards and Disasters Disaster risks. Types of Vulnerability. Economics of Disasters. Global Frameworks on Disaster management. Climate Change and Disasters. Disaster Management Cycle. Disaster Risk Management Phases (Recovery, Development, Prevention and Mitigation). Hazard Mapping Techniques. Community Based Disaster Risk Management. Public Private Partnerships for Disaster Risk Reduction. Challenges in Disaster Risk Reduction

Text books:

1. Damon, P. C. (2006) Introduction to International Disaster Management. Butterworth-Heinemann.

2. Burby, Raymond (1998). Cooperating with Nature: Confronting natural hazards with land-use planning for sustainable communities. Joseph Henry Press.
3. Khan, A. N., & Shaw, R. (Eds.). (2015). Disaster risk reduction approaches in Pakistan. Tokyo: Springer.