

Tezpur University
Centre for Disaster Management

Choice Based Credit Transfer (CBCT) Course at PG Level

Course name : Disaster Management
Course code : DM 301
Total credit : 3 (three); (*L: 3 T: 0 P:0*)

Syllabus

Unit 01: Understanding disaster

Concept of disaster
Different approaches
Concept of Risk
Levels of disasters
Disaster phenomena and events (*Global, national and regional*)

Unit 02: Hazards and Vulnerability

Natural and man-made hazards; response time, frequency and forewarning levels of different hazards
Characteristics and damage potential of natural hazards; hazard assessment
Dimensions of vulnerability factors; vulnerability assessment
Vulnerability and disaster risk
Vulnerabilities to flood and earthquake hazards

Unit 03: Disaster management mechanism

Concepts of risk management and crisis management
Disaster management cycle
Response and Recovery
Development, Prevention, Mitigation and Preparedness
Planning for relief

Unit 04: Capacity building

Capacity building: Concept
Structural and nonstructural measures
Capacity assessment; strengthening capacity for reducing risk
Counter-disaster resources and their utility in disaster management
Legislative support at the state and national levels

Unit 05: Coping with disaster

Coping strategies; alternative adjustment processes
Changing concepts of disaster management
Industrial safety plan; safety norms and survival kits
Mass media and disaster management

Unit 06: Planning for disaster management

Strategies for disaster management planning
Steps for formulating a disaster risk reduction plan
Disaster management Act and Policy in India
Organisational structure for disaster management in India
Preparation of state and district disaster management plans

Text books

1. Alexander, D. *Natural Disasters*, ULC press Ltd, London, 1993.
2. Carter, W. N. *Disaster Management: A Disaster Management Handbook*, Asian Development Bank, Bangkok, 1991.
3. Chakrabarty, U. K. *Industrial Disaster Management and Emergency Response*, Asian Books Pvt. Ltd., New Delhi 2007.

References

1. Abarquez I. & Murshed Z. *Community Based Disaster Risk Management: Field Practitioner's Handbook*, ADPC, Bangkok, 2004.
2. Goudie, A. *Geomorphological Techniques*, Unwin Hyman, London 1990.
3. Goswami, S. C. *Remote Sensing Application in North East India*, Purbanchal Prakesh, Guwahati, 1997.
4. *Manual on Natural Disaster Management in India*, NCDM, New Delhi, 2001.
5. *Disaster Management in India*, Ministry of Home Affairs, Government of India, New Delhi, 2011.
6. *National Policy on Disaster Management*, NDMA, New Delhi, 2009.
7. *Disaster Management Act. (2005)*, Ministry of Home Affairs, Government of India, New Delhi, 2005.
8. *District Disaster Management Plan-Model Template*, NIDM, New Delhi, 2005.