

Name of the Program: Master of Business Administration (MBA) MBAS 209: DISASTER MANAGEMENT		
Course Credits	No. of Hours per Week	Total No. of Teaching Hours
4 Credits	4 hours	56 hours
Pedagogy: Lectures, assignments, Industrial visits and practical exercises, discussions, seminars, etc.		
Examination: 30 marks continuous evaluation and 70 marks final examination.		
Objectives: 1. To understand the foundations, reasons for occurrence of disaster. 2. To Analyze the factors associated natural calamities. 3. To know the significance of technological innovations in Disaster Risk Reduction (DRR) 4. To develop Community based Disaster Preparedness Plan. 5. Reduces community vulnerability through hazard analysis and mitigation. 6. To know the role and responsibilities of government and other agencies. 7. To know the National Policy on Disaster Management in India.		
Course Outcomes: 1. Students will have clear understanding of Disaster Profile. 2. Gain knowledge over reasons for disasters. 3. Know Roles and Responsibilities of Different Agencies and Government. 4. Build and implement a community hazard mitigation plan. 5. Develop an emergency management system. 6. Application and use of ICST for different disasters. 7. Develop a disaster management policy.		
Syllabus		Hours
Module No.1: Understanding Disasters		
Meaning, nature, characteristics and types of Disasters, Causes and effects, Disaster: A Global View, Disaster Profile of India, The Disaster Management Cycle		
Module No. 2: Geological and Mountain Area Disasters		
Earthquakes · Volcanic Eruption · Landslides Snow Avalanches, Wind and Water Related Natural Disaster · Floods and Flash Floods, Droughts · Cyclones · Tsunamis, Man Made Disasters · Understanding Man-Made Disasters · Fires and Forest Fires · Nuclear, Biological and Chemical disaster · Road Accidents.		
Module No.3: Disaster Preparedness		
Disaster Management: Prevention, Preparedness and Mitigation · Disaster Preparedness: Concept & Nature · Disaster Preparedness Plan · Disaster Preparedness for People and Infrastructure · Community based Disaster Preparedness Plan.		
Module No. 4: Role & Responsibilities of Government and agencies		
Role of Information, Education, Communication & Training · Role and Responsibilities of Central, State, District and local administration. Role and Responsibilities of Armed Forces, Police, Para Military Forces. Role and Responsibilities of International Agencies, NGO's, Community Based Org. (CBO's).		
Module No 5: Technologies for Disaster Management		
Role of IT in Disaster Preparedness · Remote Sensing, GIS and GPS · Use and Application of Emerging Technologies · Application of Modern Technologies for the Emergency communication. · Application and use of ICST for different disasters.		

Module No 6: Disaster Mitigation	
Disaster Mitigation: meaning and concept · Disaster Mitigation Strategies · Emerging Trends in Disaster Mitigation · Mitigation management · Role of Team and Coordination.	
Module No 7: Disaster Management in India	
Disaster Profile of India – Mega Disasters of India and Lessons Learnt Disaster Management Act 2005 – Institutional and Financial Mechanism National Policy on Disaster Management, National Guidelines and Plans on Disaster Management; Role of Government (local, state and national), Non-Government and Inter-Governmental Agencies. National Disaster management Authority.	
Books for Reference: 1. Bryant Edwards (2005): Natural Hazards, Cambridge University Press, U.K. 2. Carter, W. Nick, 1991: Disaster Management, Asian Development Bank, Manila. 3. Central Water Commission, 1987, Flood Atlas of India, CWC, New Delhi. 4. Central Water Commission, 1989, Manual of Flood Forecasting, New Delhi. 5. Government of India, 1997, Vulnerability Atlas of India, New Delhi. 6. Sahni, Pardeep et.al. (eds.) 2002, Disaster Mitigation Experiences and Reflections, Prentice Hall of India, New Delhi. Bryant Edwards (2005): Natural Hazards, Cambridge University Press, U.K. 7. Roy, P.S. (2000): Space Technology for Disaster management: A Remote Sensing & GIS Perspective, Indian Institute of Remote Sensing (NRSA) Dehradun. 8. Sharma, R.K. & Sharma, G. (2005) (ed) Natural Disaster, APH Publishing Corporation, New Delhi. 9. www.GIS. Development.net 10. www.iirs.nrsa.org 11. http://quake.usgs.gov 12. K.N.Shastri, Disaster Management in India, Gaurav Book Centre Pvt Ltd, 13. Jagbir Singh, Disaster Management, I K International Pvt. Ltd-New Delhi.	

