



आपदा न्यूनीकरण एवं प्रबन्धन उत्कृष्टता केन्द्र, भारतीय प्रौद्योगिकी संस्थान रुड़की,
रुड़की – 247667

CENTRE OF EXCELLENCE IN DISASTER MITIGATION & MANAGEMENT, 3rd Floor,
New Building, Opposite Biotechnology Department

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, ROORKEE – 247667, UTTARAKHAND, INDIA

Tel: 01332-28-6616 (Office), E-mail: coe_dmm@iitr.ernet.in; www.coedmm.org

1. Subject Code : **DMN-503** Course Title : **Managerial and Financial Aspects of Disaster Management**
2. Contact Hours: **L: 3 T: 1 P: 0**
3. Examination Duration (Hrs.) : **Theory: 3 Practical: 0**
4. Relative Weight : **CWS 25 PRS 0 MTE 25 ETE 50 PRE 0**
5. Credits: **4** 6. Semester: **Spring** 7. Subject Area: **PEC**
8. Pre-requisite: **Nil**
9. Objective: To identify and examine the essential and fundamental elements of disaster prevention, response and recovery within an inclusive management policy framework.

10. Details of the Course:

S. No.	Particulars	Contact Hours
1.	Introduction to Disaster Management: Understand disaster hazards and how they pose disaster threats. Categories and characteristics of disaster threats. Identification, description and management of all potential hazards that may occur in the area of responsibility. Forecasting of disaster threats and measures relating to prevention of disaster threats.	7
2.	Disaster Management Principles and Practices: Consider most important factors that need attention for the implementation of disaster mitigation and management programmes, legislation, key factors, principles and ethics, consideration for effective planning, controlling, co-coordinating, monitoring and implementing disaster mitigation and management programmes.	8
3.	Economic and Financial Aspect of Disaster Management: Financial Planning and control of disaster mitigation and management implementation programmes. Comparative analysis models for disaster mitigation and management. Budgeting, Identifying sources of funds and provision of funds. Economic consequences of disaster and intangible economic impacts of disaster. Principles of economic recovery and strategies for economic recovery. Financial recovery from disaster- disaster insurance, natural disaster relief arrangements and public disaster appeals.	12
4.	Strategic Disaster Management: Understanding the application of the principles and procedures of strategic management in the domain of disaster mitigation and management. Strategy formulation, understanding strategic intent, vision, mission for better forecasting of disaster threats and their prevention and strategic management of disaster. Strategic management principles, methods and tools. planning, organizing, leadership and monitoring and evaluation of all role-players in disaster management.	10
5.	Information Technology in Disaster Management: Understanding the link between information and decision-making. Understanding and classifying information systems that can have an impact on the dynamic disaster environment	5
	Total	42

11. Suggested Books:

Sl. No.	Name of Books/Authors	Year of Publication
1	Management: A Global Perspective, Weihrich, H. and Koontz, H., New York, McGraw Hill	2006
2	Disaster Management: A Disaster Managers Handbook, Carter, W.N., Manila, ADB.	2006
3	Disaster Management Handbook for Bangladesh, Parts I-IV. Dhaka, BDPC and PACT, Rahman, M.S	2005
4	Management, Stoner, J.A.F. and Freeman, R.E., Prentice-Hall, New Delhi	2004
5	Geographic Information: Economic applications, Martin. D., Routledge, London	2001