

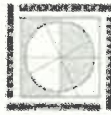
**Department of Planning,**  
**Lecture Plan, Odd Semester, A.Y. 2024-25**

**Name of Course: Planning for Disaster Management – Elective 2 (PLN4111)**

Programme & Sem:	<b>Bachelor of Planning (UG), Semester Seven</b>
Course Duration:	Odd Semester 2024-25
Course Coordinator:	Rajeev R., Assistant Professor, Dept. of Planning (rajeevnair@spav.ac.in)
Number of Credits:	03
Subject Category:	Theory (Elective)
Total Periods/Week:	03 (See Time Table for details)
Internal Assessment	50 (minimum pass marks 50%)
End Evaluation	50 (minimum pass marks 50%) – Written Exam.
Total Marks	100 (to be converted to CGPA credit pattern as per regulations)

**Subject Objective:** To introduce the fundamental concepts of Disaster Management and their relevance to the planning, development and management of human settlements with a focus on how planning interventions can reduce disaster risk.

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode/ Unit/ Assignment
Week 1	Introduction to Disaster Management: Overview of disasters and their impact at global and national level; Overview of types of hazards including natural hazards, environmental hazards and man-made disasters.	Orientation & Lecture (Unit 1)
Week 2	Global trends in disasters; Vulnerability Profile of India; Climate Profile; Types of Disasters - urban disasters, pandemics, complex emergency situations; Cause and Effects of Disasters; Types of impacts - in terms of special groups/ castes/ class/ gender/ age/ location/ disability; Disasters and Biodiversity loss; socio economic aspects of disasters.	Lecture, Tutorial and Interactive Session (Unit 1)
Week 3	Definitions of disaster management terminology such as hazard, risk, vulnerability, preparedness, response, mitigation, etc; Pre-disaster – risk and vulnerability; The multi-faceted concept of vulnerability	Lecture, Tutorial (Unit 1,2)
Week 4	The Disaster Cycle: Stages of Disaster; Immediate Response, Emergency stage; Rescue and Relief; Emergency shelter; Post disaster, Damage and Needs Assessment; Common Issues with Reconstruction and Rehabilitation; Safety, prevention, and preparedness measures; Mitigation measures	Lecture, Tutorial (Unit 2, 5 (part))
Week 5	<b>Internal Assessment: Assignment – Understanding Disaster Management in India. (10 Marks)</b>  Documentation of ANY Natural/Man-made Disasters in India (The entire Disaster Cycle, including Pre and Post Disaster events/activities) – Group Activity (2 persons max.)	Poster Presentation and submission



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	<i>Drought. Flood (2-3 nos.). Tropical Cyclones (2-3 nos.). Heat Wave. Cold Wave and Fog, Earthquake. Landslides. Industrial and Chemical Disasters, Tsunami, Stampede, Epidemics in India, Mine Disasters, Cloudburst, Nuclear/ Radiation Exposure</i>	
Week 6 & 7	<b>STUDIO FIELD VISIT</b> (27 <sup>th</sup> August to 08 <sup>th</sup> September 2024)	--
Week 8	Legal and Institutional Framework for Disaster Management in India; Roles of different stakeholders; Sendai Framework	Lecture (Unit 2, 4)
Week 9	<b>Mid-Semester Assessment Week</b> (17 <sup>th</sup> to 21 <sup>st</sup> September 2024) - <b>20 Marks</b>	Written Assessment
Week 10	Hazard zonation and Understanding Risk through Livelihoods Analysis; Factors affecting Vulnerabilities; Differential Impacts of disasters	Special Lecture, Tutorial (Unit 3)
Week 11	Disaster Preparedness and Response; Role of Geo-spatial tools in DM	Lecture, Tutorial (Unit 4)
Week 12, 13	Disaster Risk Management – Flood; Drought; Cyclone; Earthquake; Landslide	Special Lecture, Tutorial (Unit 3, 4)
Week 14	Recovery, Reconstruction, Rehabilitation and Capacity Development; Community and Disasters	Lecture, Tutorial (Unit 5)
Week 15, 16 and 17	<b>Internal Assessment: Assignment – Understanding the steps for Formulating a Disaster Risk Reduction Plan (20 Marks)</b>  Mini- Group Project (5-6): Students shall attempt to understand: (a) Master Plans of cities incorporating Disaster Management (b) DM Plans of various districts/states/ cities (c) Risk-Informed Master Planning process And then prepare Disaster Management Risk Reduction Plans for selected case cities	Presentation, Interactive Session & Case Study Discussion.
Week 17	Revision and Finalisation & Display of Internal Assessment and Attendance	

**Suggested Readings/ References from Library:**

1. Bryant Edwards (2005): Natural Hazards, Cambridge University Press, U.K
2. Carter, W. Nick., Disaster management: a disaster manager's handbook., Mandaluyong City, Phil.: Asian Development Bank, 2008
3. Disaster management – S.K.Singh, S.C. Kundu, Shobha Singh A – 119, William. Publications, New Delhi.



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4. Disaster Management – Vinod K Sharma- IIPA, New Delhi, 1995
5. Encyclopedia of Disaster Management- Goel S.L. - Deep and Deep Publications, New Delhi, 2006
6. Kapur, A (2010), Vulnerable India: A Geographical Study of Disasters, Sage, New Delhi.
7. Nicolas A. Valcik, Paul E. Tracy (2013), Case Studies in Disaster Response and Emergency Management, CRC Press.
8. Rodriguez, Havidan, Quarantelli, Enrico L., Dynes, Russell (2006), Handbook for Disaster Research, Springer, India

**Additional Readings/ References/ Materials - Online:**

1. Disaster Management In India, Ministry of Home Affairs, Gol (2011).
2. National Disaster Management Toolkit for Urban Planning
3. National Disaster Response Plan, 2001
4. Sendai Framework for Disaster Risk Reduction 2015-2030
5. Swiss Re. 2005. Natural Catastrophes and Man Made Disaster in 2004. Swiss Re.  
<http://www.swissre.com/INTERNET/pwswper.nsf/fmBookMarkFrameSet?ReadForm&BM=/alldocbyidkeylu//MSHS 4THNZX>
6. More Reading Materials available on: <https://nidm.gov.in/books.asp>; <https://nidm.gov.in/policies.asp>,  
<https://nidm.gov.in/journal.asp>, <https://ndma.gov.in/Resources/Reports-Studies>,  
<https://ndma.gov.in/flood-hazard-atlases>, <https://ndma.gov.in/landslide-hazard-atlas>

**Note:**

1. Any other closed holidays as declared by SPAV shall supercede the above lecture plan. Holidays shown above may alter as per Notice from time to time.
2. Assessment Sessions may be re-scheduled, with prior intimation.
3. Reading lists provided is not exhaustive and is subject to addition – students are advised to follow progression of class to keep abreast of the new reading lists, if any.