

GEDX 209	DISASTER MANAGEMENT	L	T	P	C
SDG: 3,11,13 & 15		3	0	0	3

COURSE OBJECTIVES:

COB1: To impart knowledge on the concept related to disaster, hazard and risk.

COB2: To provide an understanding about the types of natural disasters and man-made disasters

COB3: To gain knowledge related to the different impacts of disaster on health and environment

COB4: To provide an understanding about the concept of disaster risk reduction and management

COB5: To provide exposure related to various environmental policies & programs for disaster management

MODULE I	BASIC CONCEPTS	7
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Concepts and definitions: Disaster, Hazard and its types - Biological, Chemical, Ergonomic, Physical, Psychosocial- Vulnerability and its types –Risks and its types, Factors influencing degree of risk- Risk severity, Frequency and its capacity – Risk impact, prevention, mitigation.

MODULE II	TYPES OF DISASTERS	10
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Natural hazards and Disasters - Volcanic Eruption, Earthquakes, Tsunamis, Landslides, Cyclones, Floods, Droughts, Cold waves, Heat waves and Fire, Land Subsidence, Coastal Disaster, Cyclonic Disaster & Disaster in Hills with particular reference to India - Man-made Disasters - Industrial pollution, artificial flooding in urban areas, nuclear radiation, chemical spills, transportation accidents, terrorist strikes, War etc.

MODULE III	IMPACTS OF DISASTER	9
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Disaster impacts - environmental, physical, social, ecological, economic, political, Health, psycho-social issues, demographic aspects - gender, age, special needs, hazard locations, global and national disaster trends, climate change and urban disasters.

MODULE IV	NATURAL DISASTER REDUCTION & MANAGEMENT	10
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Disaster management cycle –Disaster preparedness - Early warning systems - Post disaster environmental response (water, sanitation, food safety, waste

management, disease control, security, communications) - Roles and responsibilities of government, community, Local institutions, NGOs and other stakeholders - Applications of Satellite Communications, GPS, GIS and Remote Sensing in disaster management.

MODULE V ENVIRONMENTAL POLICIES & PROGRAMMES IN INDIA

9

Environmental Legislations in India - Environmental policies & programmes-National Disaster Management Authority and its functions - Role of Panchayats in Disaster mitigations - Sustainable rural and urban development- Awareness, Conservation Education & training related disaster management.

L – 45; TOTAL HOURS – 45

TEXT BOOKS:

1. Gupta, H.K., "Disaster Management", University Press, India, 2003.
2. Gupta, M.C., "Manuals on Natural Disaster management in India", National Centre for Disaster Management, IIPA Publication, New Delhi, 2001.
3. Ghosh G.K., "Disaster Management", APH Publishing Corporation, 2006.
4. Satish Modh, "Introduction to Disaster Management", Macmillan Publishers India Limited, 2009.
5. Sulphrey, M. M., "Disaster Management", Prentice Hall India Pvt., Limited, 2016.

REFERENCES:

1. Bhattacharya, T., "Disaster Science and Management", McGraw Hill India Education Pvt. Ltd., 2012.
2. Dave, R.K., "Disaster Management in India: Challenges and Strategies", Prowess Publishing, 2018.
3. Kapur Anu, "Vulnerable India: A Geographical Study of Disasters", Sage Publishers, New Delhi, 2010.
4. Satender, "Disaster Management in Hills", Concept Publishing Co., New Delhi, 2003.

COURSE OUTCOMES:

At the end of the course the student will be able to

CO1:Elaborate about the origin, changes and management of environmental hazards.

CO2:Define about the natural disasters and man-made disasters.

CO3: List down the different impacts of disaster.

CO4: Apply the concept of disaster management and relief measures in the real-time situation.

CO5: Suggest solutions based on the National Policy on Disaster Management.

Board of Studies (BoS) :

18th BoS of CE held on
05.04.2023

Academic Council:

20th Academic Council
held on 13.04.2023

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CO1	L	-	M	-	-	M	L	-	-	-	-	-	L	-	M
CO2	L	-	M	-	-	M	L	-	-	-	-	-	L	-	M
CO3	L	-	M	-	-	M	L	-	-	-	-	-	L	-	M
CO4	L	-	M	-	M	M	L	L	H	-	-	-	L	-	M
CO5	-	-	M	-	-	M	L	L	-	-	-	-	L	-	M

Note: L- Low Correlation M -Medium Correlation H -High Correlation

SDG 3: Ensure healthy lives and promote well-being for all at all ages

SDG 11. Make cities and human settlements inclusive, safe, resilient and sustainable

SDG 13 : Take urgent action to combat climate change and its impacts

SDG 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

Statement :

The knowledge on disaster management can strengthen resilience and adaptive capacity to natural disasters and make cities and human settlements inclusive, safe, resilient and sustainable.

GEDX 210	ENGLISH FOR COMPETITIVE	L	T	P	C
SDG: 4	EXAMINATION	2	1	0	3

COURSE OBJECTIVES:

COB1: To demonstrate the range of vocabulary and communicate effectively using grammatically correct language.

COB2: To exhibit the effective use of the four skills of communication

COB3: To help students learn how to write business letter, SWOT, & resume

COB4: To practice and develop critical thinking, discussion, speak publically, Interview Skills and analysis skills through application of course concepts to a diversity of rhetorical artifacts

COB5: To expose students to general knowledge & current affairs

MODULE I	DETECTING USAGE ERRORS	5+2
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Articles and Preposition

Linking words

Phrases and Clauses

Subject-Verb agreement

Tag Questions

Tense

Reported Speech

Active and Passive

Sentence Completion

MODULE II	READING	6+2
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Comprehension

Transcoding a given chart, Table or Statistics into a report

Business Letter

Email writing

Dialogue Writing (Situational)

MODULE III	WRITING	6+3
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Expansion of Proverbs

Idiomatic Expressions

Essay Writing

SWOT & Resume

MODULE IV	SPEAKING	7+4
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Pronunciation, Stress & Intonation

Fluency