

Syllabus for
BA/B.Sc. (Add on Course) Geography
Course effective from the academic year 2022-23



Post Graduate Department of Geography
Pragjyotish College, Guwahati-781009
Affiliated under Gauhati University, Assam

Title of the course: Introduction to Disaster Management

Course duration: 6 weeks (30 contact hours)

*Course starts tentatively from 01 March to 08 April, 2023

Classes	Duration
1 Theory Class	1 Hour
1 Practical Class	1 Hour

Course coordinator: Dr. Chandra Kant Pawe

Assistant professor, PG Department of Geography

Objective of the course: The course intends to achieve the following objectives:

- To provide the students a conceptual understanding and awareness on disasters, their types and significance.
- To empower the students with skills to respond rapidly and sensibly at the time of disaster.
- To facilitate the students with the know-how on checking and managing potential hazardous/ disaster area for better preparedness.

Outcome of the course: The course expects to deliver the following outcomes:

- The students will be conscious and concerned towards their natural and cultural surroundings and can gauge any disaster prone entity.
- The students will be able to identify the causes of disasters experienced by them in their localities and also the means to manage them.
- The students will be gain societal responsibility and also learn the best rapid response in the advent of any disaster.

Scope for on-job training facility: On completion of the course the students will be in a better position to join professional courses on disaster management for prospective job opportunities.

Teaching method: The course will be offered in blended mode.

Evaluation process: The successful completion of the course will be measured through an evaluation process (objective/subjective) to be held at the end of the course.

Eligibility level of the participants: The course is open to undergraduate students. A minimum of 75% attendance is mandatory to appear the course-end evaluation in order to receive the course completion certificate.

Course outline:

- Unit I:** Understanding hazard, disaster and vulnerability, types of disasters: flood, cyclone, drought, landslide, earthquake, tsunami, avalanche, volcanic eruption and famines.
- Unit II:** Classification of disaster: manmade and natural, their causes, processes and impact on people, understanding major disasters across the world.
- Unit III:** Approaches to disaster risk reduction: mitigation and preparedness, role of different agencies like UNDP, NDRF, NDMA, NIDM and ADMA, indigenous knowledge and community based disaster management.
- Unit IV:** Practical exercises on: demonstrations on emergency response and fire safety
- Unit V:** Practical exercises on: use of geo-platform to visualise and map disaster events and understand disaster related services (Bhuvan, ADMA and BhooKamp app).

List of probable readings:

1. Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
2. Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
3. Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
4. <https://www.undp.org/>
5. <https://ndma.gov.in/>
6. <https://nidm.gov.in/>
7. <https://www.ndrf.gov.in/>
8. <http://sdmassam.nic.in/>
- 9.

Class distribution schedule:

Sl. No.	Topics	No. of contact hours	Teacher
1	Understanding hazard, disaster and vulnerability, analysing major disasters across the world.	4	BN
2	Types of disasters: flood, cyclone, drought, landslide, earthquake, tsunami, avalanche, volcanic eruption and famines.	3	JPD
3	Classification of disaster: manmade and natural, their causes.	4	GF1
4	Impact of disaster on people.	2	DB
5	Approaches to disaster risk reduction: mitigation and preparedness,	4	GF2
6	Role of different agencies like UNDP, NDRF, NDMA, NIDM and ADMA	4	CP
7	Indigenous knowledge and community based disaster management.	2	PK
8	Demonstrations on emergency response and fire safety	2	Invited experts
9	Use of geo-platform to visualise and map disaster events and understand disaster related services (Bhuvan, ADMA, BhooKamp App)	4	KD
10	Course-end evaluation	1	All teachers

*Total contact hours= 30

*Teacher-wise classes: DB: 2, PK: 2, JPD: 3, CP: 4, BN: 4, KD: 4, GF1: 4, GF2: 4