

**SANT GADGE BABA AMRAVATI UNIVERSITY**

संत गाडगे बाबा अमरावती विद्यापीठ



**Syllabus**

**Of**

**Disaster Management**

(Generic Open Elective Course)

**Department of Lifelong Learning & Extension**

(w.e.f. 2022-23)

Center for generic open elective

All Affiliated colleges under

**SANT GADGE BABA AMRAVATI UNIVERSITY**



**Generic Open Elective Course**  
**Disaster Management**  
**Duration – Six Month (30 Hours)**

1. **Title of the Course:** Generic Open Elective Course in Disaster Management

2. **Introduction**

Any occurrence that causes ecological damage and disruption loss of human life, deterioration of health and health services is disaster as per WHO. Disaster occurs when Hazards meet vulnerability. Basically disasters are classified into two types, Natural and manmade disasters. Urbanization and industrial development has given rise to different types of disasters. India is having diverse environment and traditionally vulnerable to different disasters due to its unique geoclimatic conditions. Floods, draughts, earthquakes, cyclones, landslides, avalanches have been recurrent phenomenon. Maharashtra is also multihazard prone state in the country. In view of importance of natural and manmade disasters in the state, it is very important to learn different aspects of disasters.

Maharashtra State has a profile of varied hazards and leading in India to start a Disaster Management Unit (DMU) after the Latur earthquake. Since 1993, Disaster Management (DM) in Maharashtra is fast evolving unit, as a reactive response oriented to proactive strategy based system. The state has witnessed the devastating disasters like Earthquake, Flood and Cyclone with heat and cold waves.

Even though disasters cannot be predicted, we can certainly limit the damages caused by them. There are two main aspects, institutional preparedness and community preparedness useful in creating awareness through disaster management, education and training which enabling the community to cope with disasters in a better manner.

3. **Objectives:**

1. To identify basic ideas of Disaster management
2. To compare disaster related hazards
3. To understand the mitigation and risk reduction steps.
4. To create awareness about disasters among society

**4. Nature of Course:** Generic Open Elective Course in Disaster Management

**5. Duration:** Six Months : 30 hrs

**6. Medium:** English/Marathi/Hindi

**7. Eligibility/:** 12<sup>th</sup> passed and should be admitted to  
Semester- I of any discipline/stream of SGBAU, Amravati.

**8. Course Content: ( Syllabus )**

**A. (Theory) (20 Hrs.)**

**Unit I – Introduction to Natural and Manmade Disasters**

- A. a) Flood
- b) Earthquake
- c) Landslide
- d) Lightning
- B. a) Fire
- b) On Road Accidents
- c) Riots and Terrorism
- d) Terrorism

**Unit II – Disaster Medicine and First aid**

- a) Introduction to First Aid
- b) EMS (Emergency Medical Services)
- c) Snake bite and its first aid
- d) CPR (Cardio Pulmonary Resuscitation)

**Unit III – Disaster Preparedness**

- a) Disaster Preparedness : Pre-Disaster, During Disaster and Post Disaster
- b) Risk Assessment
- c) Vulnerability

**Unit IV – Roles and Responsibilities**

- a) Disaster management act-2005
- b) Role of Government and Non Government Agencies
- c) Role of Media and Communication system

**Unit V – Relief and Rehabilitation**

- a) Shelter home
- b) Sanitation and Hygens
- c) Role of Educational Institutions

**B. (Practical's) (10 Hrs.)**

- a) First aid and Bandaging
- b) Casualty carrying
- c) Fire Safety
- d) Ropes and Knots

**10. Benefits of Proposed course:** The programme is based on skill development in the disaster management.

**11. Fees (if any):** As per University Norms

**12. Examination & Evaluation Pattern:- Credit Points : 02**

**Examination Pattern**

<b>a. Submission of Assignment</b>	10 questions will be given from syllabus considering each Unit, 2 from each Unit, student have to solve/ 5 attempting each question
<b>b. Paper/Project Report</b>	1. Student have to appear for Test/Exam either objective or descriptive type. Question paper will consist of 40 marks (either Objective or Descriptive) 2. Project for 40 marks can be prepared on Case study
<b>c. Practical Exam</b>	1. Practical exam will be conducted on the basis of syllabus
<b>d. Grading System</b>	On the basis of performance in theory and practical grades will be given <ol style="list-style-type: none"><li>1. Marks above 125 : A grade</li><li>2. Marks above 100 below 125: B grade</li><li>3. Marks between 75 to 99 : C grade</li><li>4. Below 75 : D grade</li></ol>

**Note:** Subject to the change in guidelines of the University.

**14. Teaching Faculties:**

1. Faculties from University / Colleges having training in Disaster management.
2. NDRF/SDRF or trained personals from armed forces
3. Training of trainer experts from District Disaster Unit / Tahsil disaster Unit
4. NGO members working in the field of Disaster Management
5. Any trained person with Certificate/Diploma/Advanced diploma in disaster management.

**15. Course outcome:**

<b>Unit I</b> – Introduction to Natural and manmade Disasters	Students will be able to identify and understand the types of Disasters.
<b>Unit II</b> – Disaster Medicine and First aid	Students will understand hazards of disaster and will be familiar and medication, first aid and life saving techniques.
<b>Unit III</b> – Disaster Preparedness	Students will understand rescue and relief operations, mitigation and risk reduction steps before and after disasters.
<b>Unit IV</b> – Roles and Responsibilities	Methods of Community involvement, National and regional framework and communication technologies for disaster risk reduction will be studied.
<b>Unit V</b> – Relief and Rehabilitation	Students will understand rehabilitation and reconstruction relief work
<b>Practical</b>	Capacity building to work at ground level

**16. Collaborative agency:**

1. NDRF/SDRF or any Nodal agency of Government
2. District Natural Disaster Management cell, District collector office of respective Districts.
3. Tahsil office disaster Unit
3. NGO's working in the field of Disaster Management
4. Retired person from armed forces with knowledge of Managing Disasters.