

MODULE STRUCTURE AND OUTLINE FOR PROFESSIONAL DIPLOMA DEGREE

Professional Diploma Outline:

S/N	Professional Diploma	Module		Credits
		Course No.	Course Title	
1.	Diploma in Disaster Management	DDM 100	Field Work	3.00
		DDM 101	Introduction to Disaster Management	3.00
		DDM 103	Disaster Management Practices in Bangladesh	3.00
		DDM 105	Disaster Preparedness and Prevention	3.00
		DDM 107	Disaster Assessment	3.00
		DDM 102	Tools and Techniques for Disaster Management Sessional	1.50
		Total Credit		

Details Outline of the Module:

DDM 100 Field Work 3.00 Credit

A student must complete a Field Work on DM under the guidance of a supervisor.

DDM 101 Introduction to Disaster Management 3.00 Credit

Definition, Scope and types of disasters, objectives of disaster management, vulnerability. Elements of disaster management: preparedness, assessment, recovery, rehabilitation and management. Resource mobilization in disaster management. Information collection and management. Strategies and approaches for disaster management. Logistics and implementation, remedial measures. Community mobilization for disaster management.

DDM 103 Disaster Management Practices in Bangladesh 3.00 Credits

Course Contents: Introduction to Natural Hazards and Disasters, Physiography of Bangladesh, Climate of Bangladesh, Ecological Regions of Bangladesh, Seismic Hazards Zone of Bangladesh, Major Natural Hazards of Bangladesh: Floods, Earthquakes, Tsunami, Landslides, Desertification, Drought, Cyclone, Snow Avalanches, Glacial Hazards, Salinization, Heat and Cold Waves, Sea Water Intrusion; Future Disaster Trends in Bangladesh, Disasters Management Policies in Bangladesh, Case studies.

DDM 105 Disaster Preparedness and Prevention 3.00 Credit

Definition and objectives of disaster preparedness. Basic principles of preparedness: getting informed, emergency planning and checklists, simulation and maintaining disaster preparedness plans. Natural hazards-specific preparedness: floods, thunderstorm and lightning, earthquakes, tsunamis, fires, volcano eruptions and landslides. Preparedness and prevention strategies for technological emergencies: household, industrial and workplace hazards, hazardous material accidents and nuclear power plants. Preparedness measures for terrorism incidents: explosions, biological and chemical threats. Preparedness and public awareness. Insurance and disaster preparedness. Disaster preparedness in selected African states. Challenges in disaster preparedness and prevention.

DDM 107**Disaster Assessment****3.00 Credit**

Definition. Receiving alerts and protocols. Types of assessments: economic, social, political, environmental, security. Determination of damage types and extent. Assessment stages and strategies. Assessment techniques. Assessment teams and their preparedness. Assessment of different disaster management strategies. Assessment of the impact of disasters: environmental, financial and human. Surveillance systems in disaster situations. Preparation of proposal bids. Proposals for remedial and rehabilitation measures.

DDM 102**Tools and Techniques for Disaster Management Sessional****1.5 Credits**

Course Content: Study on Community Risk Assessment (CRA) and RRAP tools and techniques, Local and national vulnerability mapping and risk analyses, Identification and use of hazards prediction, alerting and warning tools and techniques for cyclone, tornado, drought and floods, Livelihood assets analyses and Social Impact Assessment after a catastrophic disaster in a particular community, Methodology for assessing and projecting shore retreat, sea level rise, water table, coastal and marine disasters.