

MODULE STRUCTURE AND OUTLINE FOR PROFESSIONAL DIPLOMA DEGREE

Professional Diploma Course Outline

S/N	Professional Diploma	Module		Credits
		Course No.	Course Title	
1.	Diploma in Disaster Management	DM 100	Field Work	3.00
		DM 101	Disasters in Bangladesh	3.00
		DM 103	Introduction to Disaster Management	3.00
		DM 105	Disaster Preparedness and Prevention	3.00
		DM 107	Disaster Assessment	3.00
		DM 102	Sessional on Disaster Management: Tools and Techniques	1.50
Total Credit				16.50

Outline of the Module		
DM 100	Field Work	3.00 Credit
A student must complete a Field Work on Disaster Management under the guidance of a supervisor.		
DM 101	Disasters in Bangladesh	3.00 Credits
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: Flood, Earthquake, Tsunami, Landslide, Desertification, Drought, Cyclone, Tornado, Salinization, River Erosion, Heat and Cold Waves, Sea Water Intrusion; Future Disaster Trends in Bangladesh, Climate Change in Bangladesh.		
DM 103	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. Disasters Management Policies in Bangladesh, Case studies.		
DM 105	Disaster Preparedness and Prevention	3.00 Credit
Basic principles of preparedness: emergency planning and checklists, disaster preparedness plans. Natural hazards-specific preparedness: floods, thunderstorm and lightning, earthquakes, tsunamis, fires, landslides. Preparedness and prevention strategies for technological emergencies: household, industrial and workplace hazards, hazardous material accidents. Preparedness and public awareness. Insurance and disaster preparedness. Challenges in disaster preparedness and prevention like Relief Distribution etc.		
DM 107	Disaster Assessment	3.00 Credit
Assessment of different disaster management strategies. Types of assessments: Assessment of impact of disasters: economic, social, political, environmental. Assessment stages, strategies and techniques. Assessment teams and their preparedness. Determination of damage types and extent. Surveillance systems in disaster situations. Proposals for remedial and rehabilitation measures.		
DM 102	Sessional on Disaster Management: Tools and Techniques	1.50 Credits
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. Application of GIS: Hazard, Vulnerability and Risk Assessment Mapping.		