

Rules and Regulations for MPhil Program of Institute

MPhil. Program in Disaster Management (Session: 2012-13 to 2016-2017)

The Degree of Master of Philosophy (MPhil) shall be awarded by the University' in recognition of the successful completion of MPhil. The courses of Studies for the MPhil. Degree shall run for two academic years. The terms and conditions regarding admissions, examination and other matters relating to the degree shall be prescribed by regulations enacted by the Academic Council and the Syndicate.

1 (i) Candidates for admission to the courses for the MPhil. Degree must possess: (a) 4 year Honors Degree or (b) 3 Year Honors Degree and 1 year Master Degree or (c) Two Year Bachelor Degree and 2 Year Postgraduate Degree in any discipline of Social Sciences, Disaster Management, Biological Sciences, Earth and Environmental Sciences, Engineering, Architecture. Medical, Agriculture, Biotechnology and Genetic Engineering. defense college. At least second division/class along with 50% marks is needed in all examinations. In the case of C.G.P. 3.5 out of 5 or 3 out of 4 is needed for admissions.

(ii) A Candidate for MPhil. Degree will be registered for two academic sessions.

(iii) The application for admission to the MPhil. Program must be recommended by the supervisor(s), the Academic Committee of the Institute and Board of Governors.

(iv) On the recommendations of the Board of Advanced Studies about MPhil. admission, the Academic Council shall give the final approval.

(vii) A Change of supervisor must also be approved by the Academic Committee and the previous supervisor must also give his/her written consent.

2. (i) Candidates admitted to the MPhil. Courses shall be full-time students of the university.

(ii) Candidates serving in any organization including this university shall take leave of absence for at least one year at the time of joining the MPhil. Course. Provided this requirement may be relaxed by the Academic Council on the recommendation of applicants of the institutions of higher education or research organizations.

(iii) The Institute will prescribe the course of studies which must be approved by the Board of Governors, the Board of Advanced Studies and the Academic Council.

3. Course Distribution of the MPhil Program

DMC 601 Principles of Disaster Management

1. Concepts: Basic concepts on hazards, Classification of hazards, and effects of different types of hazards; Concepts of risk, different perception of risk, Disaster Risk Assessment, Risk Treatment and Analysis; Vulnerability, progression of vulnerability, Classification of vulnerability; Disaster, Classification of disasters. Nature, causes, and effects of different types of natural disaster and their potential impacts.
2. **Disaster management systems:** General principles of management and their specific applications in the field of disaster management; Comprehensive disaster management (CDM) approach, Bangladesh Disaster management models and approaches, Regulatory framework of Bangladesh Disaster Management system, Institutional Framework of Bangladesh Disaster Management system, Standing Orders on Disaster Management and roles of DMC(s).
3. **Disaster prevention and mitigation:** Principles, Framework for prevention and mitigation, Institutional and legal mechanisms for risk reduction, Advocacy and role of public awareness, National preparation of prevention and mitigation strategies.
4. **Disaster Preparedness and Response:** Principles of preparedness, Preparedness plans, contingency plans; **Disaster response:** Key steps for emergency response. Sectoral support during emergencies. Media and information management, Resource management, Emergency coordination center and role of incident manager. Term paper: a simulation exercise.
5. **Disaster, recovery, rehabilitation and reconstruction:** Early recovery, Importance of early recovery, Early recovery and DRR, concepts of development relief, Build back better theory and practice in different sectors
6. **Disaster management plan and implementation aspect:** Disaster management plan and preparation of a plan, relief management, change management through DMC, Accountability DM projects, Monitoring of risk reduction interventions and evaluation, Development and implementation of sectoral/ personal action plans:
7. **Community based disaster management:** Community, empowerment, community resilience and preparedness for disaster, community-based organizations (CBO) and non-profit organizations (NPO) role in DM.
8. Disaster Management Standards, International Law, Refugee Law, International Humanitarian Law, International Human Rights law, Professional Status, Standards and Disaster Management Ethics

References

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DMC 602 Methods and Techniques for Disaster Research and Disaster Management

Course Objectives:

This course provides students with a basic understanding of the distinct character of both quantitative and qualitative research process and its roles in social science research. The main objective is to provide students with hands on training of various research methods used in sociological studies. The course deals with the general logic of scientific inquiry, research design, sampling, measurement, questionnaire design, as well as qualitative and quantitative data-analysis and presentation. By the end of this course, students will be able to conceptualize a research problem and will be able to design and conduct his/her research project.

Course Contents:

1. **Doing Disaster Management Research**
 - a. Research in Disaster Studies, Disaster Research Methods, Scientific methods in Disaster Research. the Importance of Multi- and Inter-disciplinary Research on Disasters Management
 - b. Disaster Literature and the Role of Disaster Theories.
2. **Quantitative and Qualitative approach**
 - a. **Quantitative Approach:** Central principles of quantitative methodology, causal relationships & hypotheses, Quantitative measurement, operationalisation, validity & reliability, sampling strategies in quantitative approach, Quantitative Research Design and process in Disaster Research.
 - b. **Qualitative Approach:** Concept of qualitative research, general criteria, qualitative research design, sampling strategies, qualitative data management and analysis
3. **Data Collection and Analysis of Disaster Management Research Data**
 - a. Quantitative Tools and Data Collection: Census, Survey Method, Questionnaire and Interview, Content Analysis.
 - b. Qualitative Tools and Data Collection: Unstructured interview; Participatory research approach (PRA, PLA, PLE); Focus Group Discussion; Key Informants' Interview (KII); Case study; Ethnography; Content Analysis; Discourse Analysis; Observation Method.
4. **Research Report Writings**
 - c. R Quantitative Data Analysis in Disaster Management Research. reporting Qualitative Disaster Management Research Results.
 - d. Reporting Quantitative Disaster Management Research Results: Problems, types statistics, interpretation of results, graphical representation and tabulation. Qualitative Data Analysis in Disaster Management Research, measures of association.
5. **Initial Environmental Impact Assessment (EIA):** procedures and practices; Social Impact Analyses (SIA) and Multi criteria techniques for Social Impact Analysis.

Community Risk Assessment (CRA): Concept, Scope, Modeling, Microzonetics, Methods of Community Risk Assessment, Steps and Application of CRA is assessing, Analyzing and Managing Disasters.

6. **Damage and Need analysis:** Damage loss and need analyses (DLNA), RIR and Early recovery need analyses tools and techniques. Tools for Economic analyses; Tools for sustainable livelihood approach; Tools for Logical and result based frameworks; Tools for DRR project cycle management.
7. **Risk Analysis Tools:** Tools for assessing the challenges associated with risks, hazards, and vulnerabilities of affected peoples; Tools for appraising disaster mitigation needs, policies and capacity; Tools for Evaluating disaster risk reduction initiatives; Tools for construction design, building standards and site selection.

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