

Dr. Bhimrao Ambedkar University, Agra

A State University of Uttar Pradesh (Paliwal Park, Agra -282004) www.dbrau.ac.in

A Documentary Support for Matric No. – 1.1.1 Programme Outcomes & Course Outcomes

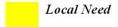
under the
Criteria – I
(Curriculum Design and Development)
Key Indicator - 1.1

in Matric No. – 1.1.1

MASTER OF ARTS (DISASTER MANAGEMENT)

2020

Mapping:











Deen Dayal Upadhyay Institute of Rural Development Dr. Bhimrao Ambedkar University

Paliwal Park Campus, Agra

M.A. (Disaster Management)

Program Educational Objectives (PEOs)

PEO1	Graduates will engage with communities to build resilience, foster awareness, and empower individuals and organizations to actively participate in disaster preparedness, response, and recovery efforts.
PEO2	Graduates will exhibit adaptability and innovative thinking in developing and implementing strategies for disaster preparedness, response, recovery, and mitigation, considering evolving challenges such as climate change and technological advancements.

Program Outcomes (POs)

PO1	Students will develop the ability to comprehend philosophy, key concepts and methodologies in Disaster Management.
PO2	Analyze mechanisms and processes associated with natural and human made disasters.
PO3	Assess and critique local, regional and global scenarios, practices and policies related to disaster.
PO4	Learn about the techniques to mitigate the effects of Disasters.

Program Specific Outcomes (PSOs)

PSO1	Student will be able to apply the knowledge of core concepts of Disaster Management in semester exams, in NET, SET, national level exams as well as in the research level projects work.
PSO2	Through assignments and research based project work students are able to inculcate analytical skills and critical thinking.
PSO3	Students will be able to learn about the role of ICT in mitigating disaster.
PSO4	Through the research culture of the department and skills acquired therein, students are capable of sustaining subsequent academic progression inside the country and overseas as well.

Course Outcomes (COs)

Semester I

Programme	M.A. (Disaster Management)
Course Title	Introduction to Disaster Management
Course Code	DM-101
Course Credits	4
Semester	I
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Analyze the historical context and theoretical frameworks of disaster management.
CO2	Evaluate the impact of disasters on communities and regions.
CO3	Apply risk assessment and mitigation strategies to minimize disaster effects.
CO4	Demonstrate an understanding of disaster response and recovery operations.
CO5	Critically assess policies and frameworks for disaster management.

Programme	M.A. (Disaster Management)
Course Title	Research Methodology in Disaster Management
Course Code	DM-102
Course Credits	4
Semester	I
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand and apply various research methodologies in the context of disaster management.
CO2	Design research proposals and plans for addressing specific disaster management challenges.
CO3	Analyze and interpret data related to disaster management research.
CO4	Critically evaluate existing research in the field of disaster management.
CO5	Ethically conduct research in the field of disaster management.

Programme	M.A. (Disaster Management)
Course Title	Risk Assessment and Vulnerability Analysis
Course Code	DM-103
Course Credits	4
Semester	I
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Apply risk assessment methodologies to identify and prioritize hazards in different contexts.
CO2	Analyze vulnerabilities and capacities of communities and systems facing potential disasters.
CO3	Develop and implement strategies to reduce vulnerabilities and enhance resilience.
CO4	Evaluate the effectiveness of risk reduction measures and vulnerability mitigation strategies.

Programme	M.A. (Disaster Management)
Course Title	Physical Geography
Course Code	DM-104A
Course Credits	4
Semester	I
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Explain the principles of physical geography and their relevance to understanding natural disasters.
CO2	Analyze the physical processes that contribute to the occurrence of natural disasters.
CO3	Identify and assess the impact of geographic features on disaster risk and resilience.
CO4	Apply geographic information systems (GIS) tools for mapping and analyzing disaster-prone areas.

Programme	M.A. (Disaster Management)
Course Title	Geoinformatics in Disaster Management
Course Code	DM-104B
Course Credits	4
Semester	I
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Utilize geoinformatics tools and technologies for disaster risk assessment and management.
CO2	Analyze spatial data to identify and prioritize areas at risk of disasters.
CO3	Develop geospatial models for predicting and mitigating the impact of disasters.
CO4	Integrate geoinformatics data into disaster management plans and strategies.
CO5	Communicate geoinformatics findings and recommendations to stakeholders effectively.

Programme	M.A. (Disaster Management)
Course Title	Field Visit Report Preparation/Presentation
Course Code	DM-105
Course Credits	2
Semester	I
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Plan and organize field visits to disaster-affected areas or relevant sites for data collection.
CO2	Conduct interviews, surveys, and observations to gather information during field visits.
CO3	Analyze and interpret data collected during field visits to draw meaningful conclusions.
CO4	Prepare comprehensive field visit reports that document findings, insights, and recommendations.
CO5	Deliver engaging and informative presentations based on field visit reports to communicate key findings to stakeholders.

Semester II

Programme	M.A. (Disaster Management)
Course Title	Pandemic Preparedness & Response
Course Code	DM-201
Course Credits	4
Semester	П
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the principles of pandemic preparedness and response in the context of disaster management.
CO2	Analyze past pandemics and their impact on communities and systems.
CO3	Develop pandemic preparedness plans and strategies for different sectors and organizations.
CO4	Evaluate the effectiveness of pandemic response measures and interventions.

Programme	M.A. (Disaster Management)
Course Title	Finance Resilience and Risk Transformation
Course Code	DM-202
Course Credits	4
Semester	П
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the financial aspects of disaster management and resilience-building efforts.
CO2	Analyze the economic impact of disasters on individuals, communities, and economies.
CO3	Develop financial strategies to enhance resilience and mitigate disaster risks.
CO4	Evaluate funding mechanisms and insurance options for disaster preparedness and response.
CO5	Apply financial risk management principles to improve disaster management practices.

Programme	M.A. (Disaster Management)
Course Title	Rehabilitation, Reconstruction and Recovery
Course Code	DM-203
Course Credits	4
Semester	II
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the concepts and principles of rehabilitation, reconstruction, and recovery in disaster management.
CO2	Analyze the social, economic, and environmental factors influencing post-disaster recovery.
CO3	Develop comprehensive rehabilitation and reconstruction plans for disaster-affected areas.
CO4	Evaluate the effectiveness of rehabilitation and reconstruction efforts in achieving sustainable recovery.

Programme	M.A. (Disaster Management)
Course Title	Health Emergencies and Disaster Management
Course Code	DM-204A
Course Credits	4
Semester	II
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the public health principles and practices relevant to managing health emergencies in disasters.
CO2	Analyze the impact of health emergencies on individuals, communities, and health systems.
CO3	Develop health emergency response plans and strategies to mitigate risks and protect populations.
CO4	Evaluate the effectiveness of health interventions and systems in disaster settings.
CO5	Apply ethical considerations and cultural sensitivity in health emergency response and management.

Programme	M.A. (Disaster Management)
Course Title	Occupational Health and Fire Safety Management
Course Code	DM-204B
Course Credits	4
Semester	II
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the principles of occupational health and safety management in disaster settings.
CO2	Analyze occupational health risks and fire safety hazards in disaster-prone environments.
CO3	Develop and implement occupational health and fire safety plans for disaster-affected areas.
CO4	Evaluate the effectiveness of occupational health and fire safety measures in disaster management.

Programme	M.A. (Disaster Management)
Course Title	Field Visit Report Preparation/Presentation
Course Code	DM-205
Course Credits	2
Semester	П
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Plan and organize field visits to disaster-affected areas or relevant sites for data collection.
CO2	Conduct interviews, surveys, and observations to gather information during field visits.
CO3	Analyze and interpret data collected during field visits to draw meaningful conclusions.
CO4	Prepare comprehensive field visit reports that document findings, insights, and recommendations.
CO5	Deliver engaging and informative presentations based on field visit reports to communicate key findings to stakeholders.

Programme	M.A. (Disaster Management)
Course Title	Comprehensive Viva-Voce
Course Code	DM-206
Course Credits	4
Semester	II
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Demonstrate a comprehensive understanding of key concepts, theories, and practices in disaster management.
CO2	Apply critical thinking and analytical skills to address complex issues and challenges in disaster management.
CO3	Effectively communicate ideas, findings, and recommendations related to disaster management.
CO4	Demonstrate the ability to integrate knowledge and skills from various courses in disaster management.

Semester III

Programme	M.A. (Disaster Management)
Course Title	Environment and Ecology
Course Code	DM-301
Course Credits	4
Semester	III
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the interrelationship between the environment, ecology, and disasters.
CO2	Analyze the impact of environmental degradation on disaster occurrence and severity.
CO3	Develop strategies for sustainable environmental management to reduce disaster risks.
CO4	Evaluate the role of ecological systems in mitigating and adapting to disasters.
CO5	Apply principles of environmental conservation and restoration in disaster management practices.

Programme	M.A. (Disaster Management)
Course Title	Finance and Insurance in Disaster Management
Course Code	DM-302
Course Credits	4
Semester	III
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the financial mechanisms and insurance options available for disaster management.
CO2	Analyze the economic impact of disasters and the role of insurance in risk transfer.
CO3	Develop financial strategies to fund disaster preparedness, response, and recovery efforts.
CO4	Evaluate the effectiveness of insurance schemes in promoting disaster resilience.

Programme	M.A. (Disaster Management)
Course Title	Legal Aspects of Disaster Management
Course Code	DM-303
Course Credits	4
Semester	III
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the legal frameworks and principles relevant to disaster management.
CO2	Analyze the role of law in mitigating disaster risks and facilitating response and recovery.
CO3	Apply legal principles to address ethical, human rights, and accountability issues in disaster management.
CO4	Develop strategies for legal preparedness and compliance in disaster situations.
CO5	Evaluate the effectiveness of legal frameworks in promoting disaster resilience and reducing vulnerabilities.

Programme	M.A. (Disaster Management)
Course Title	Disaster Management Mechanism in India
Course Code	DM-304A
Course Credits	4
Semester	III
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the disaster management framework and policies in India.
CO2	Analyze the institutional mechanisms for disaster preparedness, response, and recovery in India.
CO3	Evaluate the role of various stakeholders, including government agencies, NGOs, and communities, in disaster management in India.
CO4	Assess the challenges and gaps in the current disaster management mechanism in India.
CO5	Propose recommendations for strengthening the disaster management mechanism in India based on best practices and lessons learned.

Programme	M.A. (Disaster Management)
Course Title	Disasters in India
Course Code	DM-304B
Course Credits	4
Semester	III
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the types and characteristics of disasters that occur in India.
CO2	Analyze the causes and impacts of disasters in different regions of India.
CO3	Evaluate the effectiveness of disaster response and management strategies employed in past disasters in India.
CO4	Assess the role of government, NGOs, and other stakeholders in managing disasters in India.
CO5	Apply lessons learned from past disasters in India to enhance future disaster preparedness and response efforts.

Programme	M.A. (Disaster Management)
Course Title	Field Visit Reports Preparation/Presentation
Course Code	HR-305
Course Credits	2
Semester	III
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Plan and organize field visits to disaster-affected areas or relevant sites for data collection.
CO2	Conduct interviews, surveys, and observations to gather information during field visits.
CO3	Analyze and interpret data collected during field visits to draw meaningful conclusions.
CO4	Prepare comprehensive field visit reports that document findings, insights, and recommendations.
CO5	Deliver engaging and informative presentations based on field visit reports to communicate key findings to stakeholders.

Semester IV

Programme	M.A. (Disaster Management)
Course Title	Natural and Human Induced Disasters
Course Code	DM-401
Course Credits	4
Semester	IV
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the differences between natural and human-induced disasters.
CO2	Identify the various types of natural and human-induced disasters and their characteristics.
CO3	Analyze the causes and impacts of natural and human-induced disasters on communities and environments.
CO4	Evaluate the effectiveness of disaster management strategies for mitigating natural and human-induced disasters.

Programme	M.A. (Disaster Management)
Course Title	Role of International Agencies in Disaster Management
Course Code	DM-402
Course Credits	4
Semester	IV
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the role and functions of international agencies in disaster management.
CO2	Analyze the contributions of international agencies in responding to global disasters.
CO3	Evaluate the effectiveness of international cooperation mechanisms in disaster management.
CO4	Assess the challenges and limitations faced by international agencies in disaster response and recovery.

Programme	M.A. (Disaster Management)
Course Title	Public Health in Disasters
Course Code	DM-403
Course Credits	4
Semester	IV
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the principles of public health and their application in disaster management.
CO2	Analyze the impact of disasters on public health, including disease outbreaks and mental health issues.
CO3	Develop public health strategies for disaster preparedness, response, and recovery.
CO4	Evaluate the effectiveness of public health interventions in disaster situations.

Programme	M.A. (Disaster Management)
Course Title	Community Based Disaster Risk Management
Course Code	DM-404A
Course Credits	4
Semester	IV
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the principles and concepts of community-based disaster risk management (CBDRM).
CO2	Analyze the role of communities in disaster risk reduction and resilience building.
CO3	Develop CBDRM plans and strategies in collaboration with local communities.
CO4	Evaluate the effectiveness of CBDRM approaches in reducing disaster risks and enhancing community resilience.
CO5	Apply participatory approaches and community engagement methods in CBDRM initiatives.

Programme	M.A. (Disaster Management)
Course Title	Psycho-Social Ramifications and Resource Mobilisation
Course Code	DM-404B
Course Credits	4
Semester	IV
Core/Elective	Elective
Course Outcomes (CO)/Learning Outcomes	
CO1	Understand the psycho-social impacts of disasters on individuals and communities.
CO2	Analyze the psychological and social responses to disasters.
CO3	Develop strategies for addressing psycho-social needs in disaster-affected populations.
CO4	Evaluate the role of resources and mobilization efforts in supporting psycho-social recovery.
CO5	Apply ethical considerations and cultural sensitivity in psycho-social support and resource mobilization.

Programme	M.A. (Disaster Management)
Course Title	Field Visit Report Preparation/Presentation
Course Code	DM-405
Course Credits	2
Semester	IV
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Plan and organize field visits to disaster-affected areas or relevant sites for data collection.
CO2	Conduct interviews, surveys, and observations to gather information during field visits.
CO3	Analyze and interpret data collected during field visits to draw meaningful conclusions.
CO4	Prepare comprehensive field visit reports that document findings, insights, and recommendations.

Programme	M.A. (Disaster Management)
Course Title	Comprehensive Viva-Voce
Course Code	DM-406
Course Credits	4
Semester	IV
Core/Elective	Core
Course Outcomes (CO)/Learning Outcomes	
CO1	Demonstrate a comprehensive understanding of key concepts, theories, and practices in disaster management.
CO2	Apply critical thinking and analytical skills to address complex issues and challenges in disaster management.
CO3	Effectively communicate ideas, findings, and recommendations related to disaster management.
CO4	Demonstrate the ability to integrate knowledge and skills from various courses in disaster management.
CO5	Respond to questions and challenges related to disaster management with clarity and confidence.

P.G. Diploma in Disaster Management (PGDDM)

(Course Curriculum Under CBCS and NEP-2020) <u>Semester I</u>

Core Courses (Compulsory)

S.No.	Course	Course Title	Credits	L:T:P	Internal	External	Total
	No.						
1.	DM-101	Introduction to Disaster Management	4	3:1:0	25	75	100
2.	DM-102	Research Methodology in Disaster Management	4	3:1:0	25	75	100
3.	DM-103	Risk Assessment and Vulnerability Analysis	4	3:1:0	25	75	100

Elective (Any One)

S.No.	Course No.	Course Title	Credits	L:T:P	Internal	External	Total
4.	DM-104A	Physical Geography	4	3:1:0	25	75	100
5.	DM-104B	Geoinformatics in Disaster Management	4	3:1:0	25	75	100

Minor from Other Faculty (Any One)

S.No.	Course No.	Course Title	Credits	L:T:P	Internal	External	Total
6.	HR-301	Human Resource Development	4	3:1:0	25	75	100
7.	CSR-101	Fundamentals of CSR	4	3:1:0	25	75	100
8.	RD-101	Rural Development—Concept and Strategies	4	3:1:0	25	75	100
9.	PA-102	Introduction to Public Policy and Governance	4	3:1:0	25	75	100
10.	ED-102	Psychology of Learning	4	3:1:0	25	75	100

Practical

S.No.	Course No.	Course Title	Credits	L:T:P	Internal	External	Total
11.	DM-105	Field Visit Report Preparation/Presentation	2	0:0:2	50	_	50

Semester II

Core Courses (Compulsory)

S.No.	Course	Course Title	Credits	L:T:P	Internal	External	Total
	No.						
1.	DM-201	Pandemic Preparedness & Response	4	3:1:0	25	75	100
2.	DM-202	Finance Resilience and Risk Transformation	4	3:1:0	25	75	100
3.	DM-203	Rehabilitation, Reconstruction and Recovery	4	3:1:0	25	75	100

Elective (Any One)

S.No.	Course No.	Course Title	Credits	L:T:P	Internal	External	Total
4.	DM-204A	Health Emergencies and Disaster Management	4	3:1:0	25	75	100
5.	DM-204B	Occupational Health and Fire Safety Management	4	3:1:0	25	75	100

Practical

S.No.	Course	Course Title	Credits	L:T:P	Internal	External	Total
	No.						
5.	DM-205	Field Visit Report Preparation/Presentation	2	0:0:2	50	1	50
6.	DM-206	Comprehensive Viva-Voce	4	0:0:4	_	100	100

Semester III

Core Courses (Compulsory)

S.No.	Course No.	Course Title	Credits	L:T:P	Internal	External	Total
1.	DM-301	Environment and Ecology	4	3:1:0	25	75	100
2.	DM-302	Finance and Insurance in Disaster Management	4	3:1:0	25	75	100
3.	DM-303	Legal Aspects of Disaster Management	4	3:1:0	25	75	100

Elective (Any One)

S.No.	Course	Course Title	Credits	L:T:P	Internal	External	Total
	No.						
4.	DM-304A	Disaster Management Mechanism in India	4	3:1:0	25	75	100
5.	DM-304B	Disasters in India	4	3:1:0	25	75	100

Practical

S.No.	Course No.	Course Title	Credits	L:T:P	Internal	External	Total
6.	DM-305	Field Visit Reports Preparation/Presentation	2	0:0:2	50	-	50

Semester IV

Core Courses (Compulsory)

S.No.	Course No.	Course Title	Credits	L:T:P	Internal	External	Total
1.	DM-401	Natural and Human Induced Disasters	4	3:1:0	25	75	100
2.	DM-402	Role of International Agencies in Disaster Management	4	3:1:0	25	75	100
3.	DM-403	Public Health in Disasters	4	3:1:0	25	75	100

Elective (Any One)

S.No.	Course	Course Title	Credits	L:T:P	Internal	External	Total
	No.						
4.	DM-404A	Community Based Disaster Risk Management			75	100	
5.	DM-404B	Psycho-Social Ramifications and Resource Mobilisation	4	3:1:0	25	75	100

Practical

S.No.	Course No.	Course Title	Credits	L:T:P	Internal	External	Total
6.	DM-405	Field Visit Report Preparation/Presentation	2	0:0:2	50	_	50
7.	DM-406	Comprehensive Viva-Voce	4	0:0:4	_	100	100

P.G. Diploma in Disaster Management (PGDDM)

(Course Curriculum Under CBCS and NEP-2020)

Credit Summary

S.No.	Semester	Core Course	Minor Course	Elective	Practical	Total Credits	Total Marks
1.	Sem. I	12	4	4	2	22	550
2.	Sem. II	12	_	4	6	22	550
3.	Sem. III	12	_	4	2	18	450
4.	Sem. IV	12	_	4	6	22	550
	Total					100	2100

Note: Students will have to earn 100 credits to pass M.A. (Disaster Management) course.