



Dr. Bhimrao Ambedkar University, Agra

A State University of Uttar Pradesh (Paliwal Park, Agra -282004)

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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

**POST GRADUATE DIPLOMA IN DISASTER
MANAGEMENT**

1974

Mapping:



Local Need



Regional



National



Global Need


Registrar
Dr. B.R.A. University, Agra

Deen Dayal Upadhyay Institute of Rural Development
Dr. Bhimrao Ambedkar University
Paliwal Park Campus, Agra

PG Diploma in Disaster Management (PGDDM)

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	PG Diploma in Disaster Management (PGDDM)
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	PG Diploma in Disaster Management (PGDDM)
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	PG Diploma in Disaster Management (PGDDM)
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	PG Diploma in Disaster Management (PGDDM)
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	PG Diploma in Disaster Management (PGDDM)
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	PG Diploma in Disaster Management (PGDDM)
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	PG Diploma in Disaster Management (PGDDM)
Course Title	Pandemic Preparedness & Response
Course Code	DM-201
Course Credits	4
Semester	II
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	PG Diploma in Disaster Management (PGDDM)
Course Title	Finance Resilience and Risk Transformation
Course Code	DM-202
Course Credits	4
Semester	II
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	PG Diploma in Disaster Management (PGDDM)
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	PG Diploma in Disaster Management (PGDDM)
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	PG Diploma in Disaster Management (PGDDM)
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	PG Diploma in Disaster Management (PGDDM)
Course Title	Field Visit Report Preparation/Presentation
Course Code	DM-205
Course Credits	2
Semester	II
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	PG Diploma in Disaster Management (PGDDM)
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.

P.G. Diploma in Disaster Management (PGDDM)
(Course Curriculum Under CBCS and NEP-2020)

Semester I

Core Courses (Compulsory)

<i>S.No.</i>	<i>Course No.</i>	<i>Course Title</i>	<i>Credits</i>	<i>L : T : P</i>	<i>Internal</i>	<i>External</i>	<i>Total</i>
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)

<i>S.No.</i>	<i>Course No.</i>	<i>Course Title</i>	<i>Credits</i>	<i>L : T : P</i>	<i>Internal</i>	<i>External</i>	<i>Total</i>
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)

<i>S.No.</i>	<i>Course No.</i>	<i>Course Title</i>	<i>Credits</i>	<i>L : T : P</i>	<i>Internal</i>	<i>External</i>	<i>Total</i>
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

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

Semester II

Core Courses (Compulsory)

<i>S.No.</i>	<i>Course No.</i>	<i>Course Title</i>	<i>Credits</i>	<i>L : T : P</i>	<i>Internal</i>	<i>External</i>	<i>Total</i>
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)

<i>S.No.</i>	<i>Course No.</i>	<i>Course Title</i>	<i>Credits</i>	<i>L : T : P</i>	<i>Internal</i>	<i>External</i>	<i>Total</i>
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

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

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
	Total					44	1100

Note : Students will have to earn 44 credits to pass PGDDM course.