



# CENTRE FOR DISASTER MANAGEMENT STUDIES

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

Sector-16C, Dwarka, New Delhi-110 078

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**Prof. Amarjeet Kaur**  
**Director**

**GGSIU/CDMS/Admission 2021/**

**DATE: 15.06.2021**

**Subject: Information regarding various courses at Centre for Disaster Management Studies, GGS IP University, Delhi**

Dear Sir,

**Greetings from Centre for Disaster Management Studies (CDMS), GGSIP University.**

It is indeed an honor for the Centre of Disaster Management Studies, GGSIPU to inform that CDMS conducts following courses under the aegis of GGSIP University:

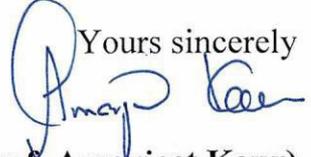
1. Ph.D. (Disaster Management) Full/ Part Time
2. MBA (Disaster Management) Weekend Programme
3. Post Graduate Diploma in Fire & Life Safety Audit (Full/ Part Time)
4. Post Graduate Diploma in Disaster Management (Full/ Part Time)

The detailed information regarding above courses is attached herewith, however, the consolidated information brochure of the University including the above said courses is also available at University Website i.e. [www.ipu.ac.in](http://www.ipu.ac.in).

We ensure you that the participants of the course(s) would be immensely benefitted by presence of eminent personalities related to the subject who share views in the form of lecture/presentation based on their vast experience.

Therefore, I request you to circulate this information with your department(s) and also nominate few officers for the above said courses during academic session 2021-22.

With regards,

Yours sincerely  
  
(Prof. Amarjeet Kaur)



## Centre for Disaster Management Studies (CDMS)



**Guru Gobind Singh Indraprastha University**  
**Sector 16-C, Dwarka, New Delhi – 110 078**  
[www.ipu.ac.in](http://www.ipu.ac.in)

## **Centre For Disaster Management Studies (CDMS)**

Centre for Disaster Management Studies (CDMS) under the aegis of Guru Gobind Singh Indraprastha University supported by various school of studies has engaged itself in education and training programme, research projects, extension activities and awareness programmes related to disaster risk reduction and fire & life safety.

The Centre for Disaster Management Studies (CDMS) has successfully trained various batches through MBA (Disaster Management) programme since 2005. The participants have been from Defense (Army, Navy and Air Force), Paramilitary Forces (CISF, ITBP, BSF, SPG, CRPF), Railways, Fire Department, Delhi Jal Board (DJB), Municipal Corporation of Delhi (MCD), NDMC, Delhi Police, Ministry of Agriculture and Ministry of Health, Delhi Metro, CVC, UNDP, Delhi Disaster Management Authority, ITBP, BSF, CISF, CBI, Army, Navy, Air Force, ONGC, WHO, Delhi Administration etc. The Inputs for the course have been provided through synergic association of experienced University faculty and Academic collaboration along with MOU with leading agencies such as Centre for Disaster Management at Lal Bahadur Shastri National Academy of Administration, Mussoorie; National Institute of Disaster Management (NIDM), Government of India; National Disaster Response Force (NDRF); Indian Institute of Remote Sensing (IIRS), Department of Space, Dehradun, India Japan Laboratory, Kio University, Japan; National Fire Service College (NFSC), Nagpur etc. The experts from various institutes are also invited from time to time for specialized lecture and sharing experiences about Disaster Management and Fire & Life Safety.

Disaster Management is an interdisciplinary subject thus there is necessity to aware every sector of the society including Educational, Institutional, Industrial, Agricultural, Defence Services, Government Organizations, NGO'S etc. The courses at Centre for Disaster Management Studies are designed to build trained manpower in the areas of Emergency Planning, Risk Assessment, Community Development, Humanitarian Aid, Capacity Building and for association professionals wishing to enhance their professional qualifications and gain an improved understanding of contemporary issues in disaster management. The courses have been planned to accommodate the ongoing professional commitments of practitioners and to equip them with the research skills, knowledge and management expertise to deal with future crisis, emergencies and disasters in the developed and developing world.

### **Other Salient Features:**

The other salient features of the courses at Centre for Disaster Management Studies includes; Field Visits, Special Lecture Series on Incident Command System, Application of Remote Sensing and GIS Tools etc. It has been experienced that the students at CDMS were able to highlight vital information and inputs for disaster management.

### **1. Vision and Mission**

To develop the CDMS as a "Centre of Excellence" for Training and research in disaster management and Fire & Life Safety in NCT Delhi and MHA, Govt. of India

## 2. Various Programmes at CDMS

- Ph.D. programme in Disaster Management (Full Time/ Part Time)
- MBA (Disaster Management) Weekend Programme
- One Year PG Diploma in Disaster Management (Full Time/ Part Time)
- One Year PG Diploma in Fire and Life Safety Audit (Full Time/ Part Time)

## 3. Detail of Programmes

### Two Years MBA (Weekend) Programme in Disaster Management

We are conducting two year MBA programme in Disaster Management in weekend mode particularly for working professionals, government servants and professionals from the various sectors since 2005. The aim of the course is to:

- Provide postgraduate education in the principles, procedures and practices of Disaster Management within an international context. This is to enable actions to be taken to reduce disaster risks as well as improve the delivery of post-disaster assistance to promote effective recovery.
- Provide adequate theoretical and practical knowledge with focus from traditional response based management to structured skill based management and understanding the whole cycle of disaster management – Prevention, Preparedness, Mitigation, Response, Relief and Rehabilitation.
- Provide for the needs of experienced practitioners in appropriate fields and to enhance their career opportunities through a period of academic study.
- Provide the opportunity for professionals to obtain a specialized qualification, which has a recognition and currency within the international agencies working in health, development and emergency management areas.
- Work as a resource Institution for national and State Governments for capacity building in disaster management.
- Filling knowledge gaps by providing a common platform for sharing of Information and experiences for professionals working in disaster management.

### **Eligibility Criteria:**

1. Graduate or equivalent in any subject with minimum 50 % marks in aggregate.
2. At least one year post – qualification executive / professional experience.

### **Admission Criteria:**

1. Percentage of marks secured in the qualifying examination on a 100 point scale.
2. One mark each for an additional year of relevant experience put up to a maximum of 15 additional marks.
3. Personal Interview marks on a 25 point scale.

The final merit list shall be prepared on the basis of marks earned by each candidate from out of 140 comprising percentage of marks obtained in eligibility qualification, experience and marks

obtained in Personal Interview and shall be declared by the Director, Centre for Disaster Management Studies (CDMS) on the University website <http://www.ipu.ac.in>.

**Course Evaluation:** As per University Norms

**Fees Structure (Rs.): 75000/- PA + 6000/- (one Time at the time of Admission)**

<b>Semester I</b>		<b>Credit Hours</b>
<b>THEORY</b>		
DMW 101	Disasters : Natural and Human Induced Disasters	3 + 1
DMW 103	Disaster Management Governance, Law and Policies – International and National	2 + 1
DMW 105	Risk and Vulnerability Assessment in Disaster Management	2+1
DMW 107	Principles of Management and Organizational Behaviour	2
DMW 109	Disaster Management Framework at National and International perspective	2
DMW 111	Psycho-social Perspectives in Disaster Management	2
DMW 113	Geoinformatics Application in Disaster Management – 1	2 + 1
DMW 115	Term Paper I*	2
<b>PRACTICAL</b>		
DMW 151	Geoinformatics Application in Disaster Management - 1 (Lab.)	1
DMW 153	Training/Field Visits to Disaster Sites/ Vulnerable Areas/ DM Centres/Institutes & Presentation (3 to 5 Days) - I	2
	<b>Total :</b>	<b>24</b>
<b>Semester II</b>		<b>Credit Hours</b>
<b>THEORY</b>		
DMW 102	Media & Information Management in Disaster	2
DMW 104	Quantitative Techniques and Research Methodology in Disaster Management	2+1
DMW 106	Public Health in Disaster Management	2
DMW 108	Crisis Management	2
DMW 110	Applications of Geoinformatics in Disaster Management 2	2+1
DMW 112	Financial Aspects of Disaster Management	2
DMW 114	Fire Risk, Safety And Response	2
DMW 116	Incident Response System*	2
DMW 118	Term Paper II*	2

<b>PRACTICAL</b>		
DMW 152	Quantitative Techniques and Research Methodology in Disaster Management (Lab.)	1
DMW 154	Applications of Geoinformatics in Disaster Management (Lab.)	1
DMW 156	Table Top and Mock Exercises based on Incident Response System	2
DMW 158	Training/Field Visits to Disaster Sites/ Vulnerable Areas/ DM Centres/Institutes & Presentation (3 to 5 Days) - II	2
	<b>Total :</b>	<b>26</b>
<b>Semester III</b>		<b>Credit Hours</b>
<b>THEORY</b>		
DMW 201	Industrial Security, Safety and Disaster Risk Reduction	2
DMW 203	Role of EIA, Environmental Policy including PDNA in Disaster Risk Management	2 + 1
DMW 205	Communication and Early Warning Systems in Disaster Management	2+1
DMW 207	Cyber Terrorism and Security	2
DMW 209	Environment, Climate Change and DRR	2
DMW 211	Community Based Disaster Preparedness (CBDP)	2
DMW 213	Supply Chain Management in Disaster	2
DMW 215	Minor Project Work*/DMPs and Presentation	6
DMW 217	Seminar/ Workshop/Conference	2
<b>PRACTICAL</b>		
DMW 251	Cyber Terrorism and Security	1
DMW 253	Communication and Early Warning Systems in Disaster Management (Lab.)	1
DMW 255	Training/Field Visits to Disaster Sites/ Vulnerable Areas/ DM Centres/Institutes & Presentation (3 to 5 Days) -III	2
	<b>Total :</b>	<b>28</b>

<b>Semester IV</b>		<b>Credit Hours</b>
<b>THEORY</b>		
DMW 202	Seminar and Progress Reports *	4
DMW 204	Dissertation *	24
DMW 206	<b>Dissertation Presentation and Vivo Voce *</b>	8
	<b>Total :</b>	<b>36</b>

*\*Non-University Examination System.*

**Note:**

1. Total number of credits for Programme MBA (Disaster Management) = **114**
  - a) First Semester number of Credits = 24
  - b) Second Semester number of Credits = 26
  - c) Third Semester number of Credits = 28
  - d) Fourth Semester number of Credits = 36
2. Each student shall be required to appear for examination in all courses. However, for the award of the degree, a student shall be required to earn a minimum of **100** credits.

## **One Year Post Graduate Diploma in Fire and Life Safety Audit**

Fire and Life Safety Audit is a mandatory requirement as per the legal provisions contained in the Fire Service Act and Rules of the State Government and the Government of India, MHA, DG (FS, CD & HG), being a nodal office on the subject matter, is consistently pursuing with the States to implement the provision in addition to the fire safety measures recommended by National Building Code of India. First time in India such type of course has been launched in technical collaboration with National Fire Service College, Nagpur with aim to provide a standard procedure and format in India for auditors to conduct the audit.

**Eligibility Criteria:** 1. B.E./B.Tech./ Post Graduation in Fire/Fire Safety Engineering with minimum 50% Marks; Or  
2. Bachelor's/ Post Graduation's degree in Civil/ Mechanical/ Electrical/ Environmental Engineering/ Architecture/ Information Technology, with minimum 50% marks and having minimum relevant working experience of 3 years: Or  
3. Graduation/ Post graduation with minimum 50% marks, with STO/ DO course from NFSC or Grade I Fire E/MI Fire E from the institution of Fire Engineers /B.Sc (Fire / Fire Safety), having minimum relevant working experience of 3 years.

**Admission Criteria:** 1. Percentage of marks secured in the qualifying examination on a 100 point scale.  
2. One marks each for no. of years of relevant experience (up to a maximum of 15 additional marks).  
3. Personal Interview marks on a 25 point scale.  
4. The final merit list shall be prepared on the basis of total marks earned by the candidate from out of 140 comprising percentage of marks obtained in eligibility qualification, experience and marks obtained in personal interview

**Course Evaluation:** As per University Norms

**Fees Structure (Rs.): 40000/- + 6000/- (one Time at the time of Admission)**

**No. Of Seats : 50**

<b>Semester 1</b>		<b>Credit Hours</b>
PGDF 101	Basics of Fire and Life Safety Audit ( <i>Core</i> )	3
PGDF 103	Fire Prevention ( <i>Core</i> )	3
PGDF 105	Life Safety ( <i>Core</i> )	3
PGDF 107	Fire Protection ( <i>Core</i> )	3
PGDF 109	State Fire Service Acts, Rules & Byelaws ( <i>Core</i> )	3
PGDF 111	Disaster : Causes Impacts and Management ( <i>Core</i> )	3
	<b>Electives (Any One)</b>	3
PGDF 113	Building Codes and Standards ( <i>Elective</i> )	3
PGDF 115	Industrial Fire Safety Risk Assessment ( <i>Elective</i> )	3
PGDF 117	Management Concepts for Risk Reduction ( <i>Elective</i> )	3
	<b>Practicals</b>	
PGDF 151	Field Visits / Presentation ( <i>Compulsory</i> )	1+1

PGDF 153	Project Work ( <i>Compulsory</i> )	5
	<b>Total</b>	<b>28</b>
Semester 2		<b>Credit Hours</b>
PGDF 102	International Building Codes & Standards ( <i>Core</i> )	3
PGDF 104	International Fire Service Acts ( <i>Core</i> )	3
PGDF 106	Building Services Design ( <i>Core</i> )	4
PGDF 108	Performance Based Fire Design ( <i>Core</i> )	4
PGDF 110	Institutional & Legal Framework for Disaster Management ( <i>Core</i> )	3
PGDF 112	Fire Risk and Hazard Analysis of Cities ( <i>Elective</i> )	3
PGDF 114	Fire Risk and Hazard Analysis of Industry ( <i>Elective</i> )	3
PGDF 116	Fire Forensics ( <i>Elective</i> )	3
PGDF 118	Geoinformatics for Fire Risk Assessment ( <i>Elective</i> )	3
	<b>Practicals</b>	
PGDF 152	Field Visits / Presentation ( <i>Compulsory</i> )	1+1
PGDF 154	Dissertation ( <i>Compulsory</i> )	6
	<b>Total</b>	<b>28</b>

- Total Credits offered in Semester 1 & 2 = 56
- Required Credits for award of One year P G Diploma: 50.

## **Post Graduate Diploma in Disaster Management**

Disaster Management is an interdisciplinary subject thus there is necessity to aware every sector of the society including Educational, Institutional, Industrial, Agricultural, Defence Services, Government Organizations, NGO'S etc. The course has been launched to accommodate the ongoing professional commitments of practitioners and Graduate Student from various fields to equip them with the research skills, knowledge and management expertise to deal with future crisis, emergencies and disasters in the developed and developing world.

### **Eligibility Criteria :**

Graduate or Equivalent with minimum 50% Marks in Aggregate in relevant subjects.

### **Admission Criteria:**

1. Percentage of marks secured in the qualifying examination on a 100 point scale.
2. One marks each for an additional year of relevant experience put up to a maximum of 15 additional marks.
3. Personal Interview marks on a 25 point scale.

The final merit list shall be prepared on the basis of total marks earned by the candidate from out of 140 comprising percentage of marks obtained in eligibility qualification, experience and marks obtained in personal interview.

**Course Evaluation:** As per University Norms

**Fees Structure (Rs.): 40000/- + 6000/- (one Time at the time of Admission)**

<b>Module 1 (First Semester)</b>		<b>Credit Hours</b>
DDM 101	Dimensions of Natural and Human Induced Disasters	2 (L) + 1 (T)
DDM 103	Laws, Governance & Institutional Framework of Disaster Management	2 (L)
DDM 105	Disaster Management Concepts	2 (L)
DDM 107	Industrial Safety & Security	2 (L)
DDM 109	Climate Change Adaptation and Disaster Risk Reduction	2 (L)
DDM 111	Fire Hazards, Safety & Risk Reduction	2 (L)
DDM 113	Medical Preparedness, Public Health and Psycho-Social Care	2 (L)
DDM 115	Financial Aspects of Disaster, Risk Transfer & Business Continuity	2 (L)
DDM 117	Role of Information & Communication Technology in Disaster Management	2 (L)
DDM 119	Field Visit/s, Table-Top Exercise & Formulation of Disaster Management Plan ( <b>Compulsory</b> )	6 (P)
<b>Electives (Any One)</b>		
DDM 121	Transportation Accidents (Rail, Road and Air) ( <b>Elective</b> )	3(L)
DDM 123	Business Continuity Management ( <b>Elective</b> )	3(L)
DDM 125	Fire & Life Safety Audit ( <b>Elective</b> )	3(L)
<b>Practical</b>		

DDM151	Role of Information & Communication Technology in Disaster Management (Lab.)	1(P)
DDM153	Medical Preparedness, Public Health and Psycho-Social Care	1(P)
<b>Total</b>		<b>30</b>
<b>Module 2 (Second Semester)</b>		
DPDM 102	Community Based Disaster Management & Gender Issues	2 (L)+ 1 (T)
DPDM 104	Role of EIA, Environmental Policy including PDNA in Disaster Risk Management	2(T)
DPDM 106	Disaster Risk Reduction (DRR), Mitigation & Response	2 (L)
DPDM 108	Geoinformatics in Disasters	2(T)
DPDM 110	Urban Risk & Resilient Cities	2 (T)
DPDM 112	Incident Response System (IRS)	1(T)
DPDM 114	Supply Chain Management in Disaster	2(T)
DPDM 116	Cyber Threats & Security	2(L)
DPDM 118	Role of Media & Information Management	2(T)
<b>Electives (Any One)</b>		
DPDM 120	Financial & Disaster Economics ( <i>Elective</i> )	3(T)
DPDM 122	Chemical Biological Radiological and Nuclear (CBRN) ( <i>Elective</i> )	3(T)
DPDM 124	Industrial Fire Safety & Risk Assessment ( <i>Elective</i> )	3(T)
DPDM 126	Field Visit/s & Minor Project Work ( <i>Compulsory</i> )	6 (P)
<b>Practical</b>		
DPDM 152	Geoinformatics in Disasters ( <i>Lab.</i> )	1(P)
DPDM 154	Incident Response System (IRS) ( <i>Lab.</i> )	2(P)
<b>Total</b>		<b>30</b>
<b>Total Credits (Module I + Module II)</b>		<b>60</b>

**Note:**

**Module I i.e. First Semester is equivalent to Six Months Diploma in Disaster Management. However, after completion of Module II i.e. Second Semester, it will be equivalent to One Year PG Diploma in Disaster Management**

**Total Credits (Module I) = 30**

**Required Credits for award of Six Months Diploma: 25.**

**Total Credits (Module I + Module II) = 60**

**Required Credits for award of One Year PG Diploma: 50.**

**Merit List Criteria: Admission will be provided based on academic record, professional experience and personal interview.**

**Total No. of Seats: 60 each**

## Ph.D. Programme (Disaster Management) Fulltime / Part time

In the area of disaster management it has been felt that research component is lacking. There is lot of scope and requirement of research in the area of Disaster Management. Keeping in view the same Ph. D. Programme has been launched in CDMS.

1. Candidates for admission to the Ph.D. Programme shall have a **Master's Degree\*** or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing accrediting or assuring quality and standards of educational institutions.

(\*Candidates having Master's Degree in Management/ Natural Science/ Social Sciences/ Engineering/ Technology/ Medical/ Law/ and allied field related to Disaster/ Emergency services)

2. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, shall be allowed for those belonging to SC/ST/Differently-abled (PWD) categories.
3. Candidates, who have cleared the M.Phil. course work with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) and successfully completing the M.Phil Degree shall be eligible to proceed to do research work leading to the Ph.D. Degree in an integrated programme.
4. All other Eligibility Conditions and Admission Criteria for admission in Ph.D. will be as per University norms given in Ordinance 12 of the University Act

**Fees Structure (Rs.):** As per University Norms

<b>Scheme of Ph.D. Course work of 6 months</b>		
<b>Course</b>	<b>(Credit Hours)</b>	
PDM 901 : Research Methodology for Disaster Risk Reduction (DRR)	4	<b>Compulsory Paper</b>
PDM 902 : Research & Publication Ethics	2	
PDM 903 : Concepts of Disaster Management	4	<b>Elective (Any Two)</b>
PDM 904: Geoinformatics and ICT for Disaster Management	4	
PDM 905 : Governance of Disaster Management	4	
PDM 906 : Management concepts in Disaster Research	4	
PDM 907 : Industrial Security & Disaster Management	4	
PDM 908 : Fire Safety and Disaster Risk Reduction	4	

**Total Credits required: 14**

## Various Activities of CDMS

Centre for Disaster Management Studies, GGS Indraprastha University has signed 3 MoUs for Academic Collaboration with National Disaster Response Force (NDRF), MHA; Indian Institute of Remote Sensing (IIRS), Department of Space, Government of India; and Keio University, Japan.



**Inaugurated the first-of-its-kind PG Diploma programme to address the emerging challenges in the fields of fire and life safety.** The programme was graced by high dignitaries, including Hon'ble Dy Chief Minister, Shri Manish Sisodia; Hon'ble Minister of Industries & Health, Shri Satyender Jain and others



**Two days Training Programme on “Fire & Life Safety in Hospitals”  
at Safdarjung Hospital (12-13<sup>th</sup> March, 2021)**



**Field Visit at Mathura Refinery, January 2020**



**Training Programme on Hospital preparedness on Fire Safety and Disaster Management**



**Training on Incident Response System at LBSNAA, Mussoorie, December 2019**



## **Training on Cardio-Pulmonary Resuscitation (CPR)**



## **Training on Industrial Security, Safety and Disaster Management**



**Fire Mock Drill Exercise for Para Military Forces**



**MoU with National Institute of Disaster Management (NIDM) MHA, Govt. of India, 2019**



**MoU With National Fire Service College, Nagpur, MHA, Govt. of India, 2019**



**MoU with Gujarat Institute of Disaster Management (GIDM), Gandhi Nagar, Govt. of Gujarat, 2019**



## Interactive Session in Class Rooms



**Former DGP U.P. Police,  
Mr. O. P. Singh**



**Director & Chief Fire Officers of  
Delhi Fire Services**

## Alumni:



**Special Secretary NCT, Delhi  
Dr. Anil Aggarwal**



**Police Commissioner, Arunachal Pradesh  
Sh. R. P. Upadhyay, IPS**