



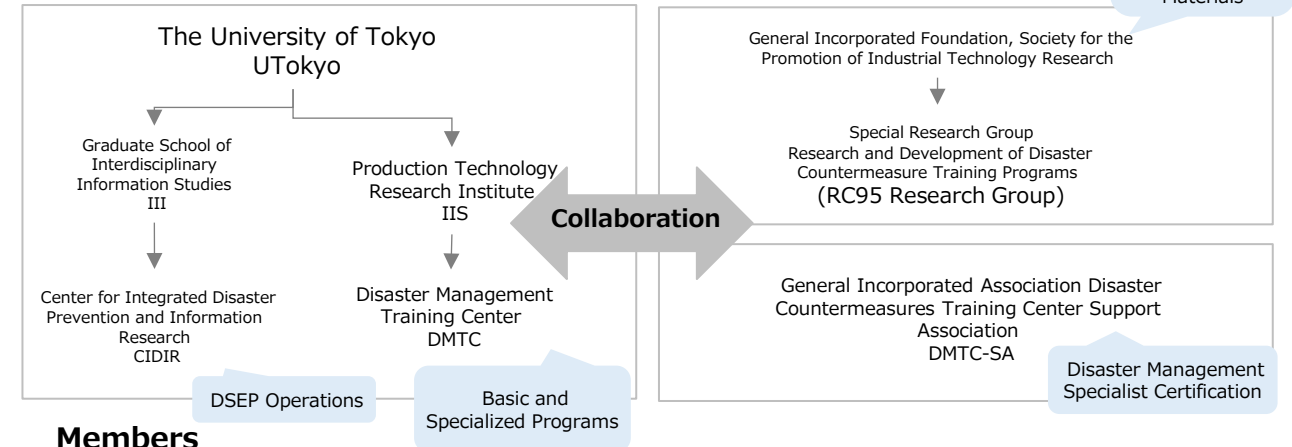
The University of Tokyo Institute of Industrial Science Disaster Management Training Center



<https://tdmtc.tokyo/>

About Us

Organization



Members



Professor Kimiro Meguro
MEGURO Kimiro
• Urban Disaster Mitigation Engineering
• Human and Social Sciences Division
• Graduate School of Engineering, Department of Social Infrastructure Engineering
• Graduate School of Interdisciplinary Information Studies, Interdisciplinary Information Studies



ITO Tetsuro, Visiting Professor
Crisis Management
• Humanities and Social Sciences Division



Professor Yoshiaki Nakano
Earthquake Engineering
• Basic Sciences Division
• Graduate School of Engineering, Department of Architecture



Professor Wataru Takeuchi
Environmental and Disaster Remote Sensing
• Human and Social Sciences Division
• Graduate School of Engineering, Department of Social Infrastructure Studies



Professor Yoshimura Kei
Isotope Climatology
• Human and Social Sciences Division
• Large-Scale Experiment Advanced Analysis Promotion Platform
• Graduate School of Engineering, Department of Social Infrastructure Engineering



Professor KIYOTA Takashi
• Geosphere Disaster Mitigation Engineering
• Basic Sciences Division
• Graduate School of Engineering, Department of Social Infrastructure Engineering



Associate Professor Shio
Engineering Literacy
• Mechanical and Biological Systems Division
• Graduate School of Interdisciplinary Information Studies,



Associate Professor Momoyo Matsuyama
Public Engagement
• Humanities and Social Sciences Division



Associate Professor Muneyoshi Numada
Disaster Prevention Process Engineering
• Human and Social Sciences Division
• Graduate School of Engineering, Department of Social Infrastructure Engineering

Domestic Activity Base

Kobe City, Hyogo Prefecture
(Research Cooperation Agreement)

Tokushima Prefecture
(Research Collaboration Agreement)

Former Tsubaki Elementary School,
Shirahama Town, Wakayama

Suginami Ward, Tokyo
Action Field Tokyo DMTC×JP



DMTC CAMPUS
(E-Learning System)

The University of Tokyo, Hongo Campus
Graduate School of Interdisciplinary Information Studies, Center for Integrated Disaster Information Research (CIDIR)

The University of Tokyo Komaba Campus
Disaster Management Training Center (DMTC) Center (DMTC)

General Incorporated Association Disaster Management Training Center Support Association (DMTC-SA)



DMTC's Approach to Creating Educational Content

Development of educational content based on a framework of 8 fields and 47 types of disaster countermeasure operations



8 Areas and 47 Types of Disaster Response Operations

Disaster Countermeasures Field	Subcategories	47 Types of Disaster Countermeasure Operations
1. Disaster Countermeasures Fundamentals	1. Know Your Enemy	1. Hazards (Natural Threats) 2. Manifesting Phenomena (Disasters and Damage) 3. Regional Characteristics
	2. Know Yourself	4. Capabilities of the Local Government (Organization) 5. Personal Capabilities and Literacy 6. Roles of Disaster Prevention Agencies, National and Prefectural Governments
	3. Imagination	7. Disaster Imagination
2. Governance and Organizational Management	1. Organizational Behavior	1. Establishment and Operation of Disaster Response Headquarters 2. BCP Development and Activation 3. Development and Implementation of Recovery and Reconstruction Plans 4. Handling of VIPs (e.g., inspections) and Legislators
	2. Resources Management	5. Staff Safety Confirmation, Mobilization, and Management 6. Collaboration with Local Residents and Disaster Prevention Education 7. Requesting and Receiving Mutual Support from Government and Private Sector, Activity Coordination 8. Requesting and receiving support from specialized agencies such as the Self-Defense Forces 9. Coordination and collaboration with volunteer groups, NPOs, etc.
	3. Spatial and Functional Layout	10. Land use planning and management of disaster-affected vacant lots 11. Ensuring and Restoring Communication Functions
3. Disaster Information	1. Disaster Information Management	12. Hazard Information Collection, Analysis, and Dissemination 13. Issuance of Evacuation Information 14. Collection, Analysis, and Reporting of Damage Information
	2. Public Relations Communication	15. Public Relations Communication and Mass Media Response 16. Consultation Desk Setup/Operation and Telephone Support
4. Rescue and Disaster Response Medical Support	1. Rescue and First Aid Support	17. Emergency and Rescue Operations 18. Search Operations and Body Storage 19. Medical Rescue Operations
	2. Medical and Sanitation Support	20. Health, Sanitation, Mental Health Care, and Nutrition Management
5. Evacuation and Victim Support	1. Evacuation Action Support	21. Evacuation Action Support and Measures for Those Unable to Return Home 22. Shelter and Evacuation Life Support 23. Procurement and Supply of Relief Goods
	2. Disaster Victim Support	24. Inclusive Support for Vulnerable Groups, Gender, etc. 25. Donation Collection and Distribution 26. Various Livelihood Reconstruction Support, Disaster Relief Payments, Tax Relief
6. Regional Reconstruction Support	1. Housing Reconstruction	27. Implementation of Emergency Hazard Assessments 28. Conducting damage assessment surveys for dwellings 29. Issuance of Disaster Certificates 30. Management of Leasing and Supply of Emergency Temporary Housing and Public Housing
	2. Regional Community and Development	31. Response to Public Housing Repair and Demolition 32. Response for Educational Facilities and Emergency Education 33. Damage Assessment and Restoration of Publicly Owned Land and Housing
7. Reconstruction of Social Infrastructure Systems System Reconstruction	1. Infrastructure, Transportation, and Security	34. Damage Assessment and Restoration of Road Facilities 35. Security and Traffic Control Response 36. Damage and Operation Status Assessment of Public Transportation 37. Damage assessment and restoration of mountainous, river, and coastal facilities
	2. Lifelines	38. Damage Assessment and Restoration of Water Supply Facilities and Emergency Water Supply 39. Damage assessment and restoration of sewerage facilities 40. Damage and restoration of power, gas, communications, and petroleum-related facilities 41. Hazardous Material Facility Damage Assessment and Safety Measures
8. Socioeconomic Recovery Activities	3. Disaster Waste and Resource Circulation	42. Disaster Waste Management
	1. Fiscal, Financial, etc. Legal Framework	43. Fiscal and Financial Measures (Implementation of Price Stabilization Measures) 44. Securing Funding Sources, Utilizing Funds, Disaster-Related Disbursements 45. Administrative Matters Under Disaster-Related Laws Such as the Disaster Relief Act
	2. Industrial Preservation	46. Assessing and Supporting Affected Businesses and Industries 47. Assessing damage to farmland, agriculture, livestock, and fisheries; restoration

Basic Program:
Approximately 50 hours of fully online educational content

Disaster Science Theory

Online lectures systematically covering the fundamentals of disaster phenomena. Enhances the ability to visualize disaster situations (disaster imagination) based on understanding disaster mechanisms.

Disaster Countermeasures Theory

An online lecture systematically covering the fundamentals of disaster countermeasures. Disaster Countermeasures Theory aims to impart the fundamental knowledge and concepts necessary for field operations. To achieve this, lectures provide a systematic understanding of disaster countermeasures, covering hazard threats, disaster phenomena, and organizational capabilities.

Field	Lecture Title
1. Disaster Countermeasures Fundamentals	1. The Nature of Japan's Land
	2. Fundamentals of Atmosphere, Topography, and Geology
	3. Fundamentals of Earthquake Disasters
	4. Fundamentals of Tsunami Disasters
	5. Fundamentals of Meteorological Disasters
	6. Countermeasures for Snow and Ice Disasters
	7. Fundamentals of Volcanic Disasters
	8. Fundamentals of Ground Disasters
	9. Fundamentals of Earthquake-Induced Fires
	10. Fundamentals of Hazardous Materials Disasters
	11. Fundamentals of Infectious Disease Control
	12. Fundamentals of Nuclear Disaster Prevention
	13. Damage to Civil Engineering Structures and Countermeasures
	14. Damage to Building Structures and Countermeasures
	15. Damage to Lifelines and Countermeasures
	16. Fundamentals of Civil Protection
	17. Impacts on the Economy and Industry
	18. Disaster Waste 3R

Field	Lecture Title
1. Disaster Countermeasures Fundamentals	1. Fundamentals of Disaster Countermeasures
	2. Essentials of Crisis Management
	3. Learning Municipal Disaster Preparedness
	4. Key Points for Effective Disaster Response
2. Governance and Organizational Management	5. Overview of Organizational Response and Decision-Making
	6. Disaster Response Headquarters Operations
	7. The Essence of BCP Learned from Corporate Activities
3. Disaster Information	8. Overview of Disaster Information
	9. Information Transmission During Disasters
4. Rescue and Disaster Medical Support	10. Protecting and Sustaining Life
	11. Rescue, Emergency, Medical, and Public Health
5. Evacuation and Disaster Victim Support	12. Forensic Medicine
	13. Evacuation and Disaster Victim Support
6. Community Reconstruction Support	14. Establishment and Operation of Evacuation Centers
	15. Life Reconstruction Centered on "Home"
7. Social Infrastructure System Reconstruction	16. Infrastructure Restoration and Disaster Waste
	17. Infrastructure Restoration and Disaster Response
8. Socioeconomic Activity Recovery	18. Overview of Disaster Waste Management
	19. Disaster Relief Act and Securing Financial Resources
	20. Full Utilization of the Disaster Relief Act
	21. Fundamentals of Securing Financial Resources

University of Tokyo Certificate Program
Disaster Management Executive Program

Targeted at working professionals such as executives and organizational leaders, this program provides 60 hours of systematic learning and research on risk and resilience.

DMTC Outreach Activities

Study sessions, research meetings, symposiums, etc.

Broad dissemination of diverse insights on disaster countermeasures.

Specialized Program:
Experience-Centered Educational Content

Training Name	Lecture + Hands-on Experience	Class B: DMS Class B Certification
Disaster Management Operations Exercise (The Flow 47)	Approx. 10 hours + None	
Disaster Response Headquarters Operations (The EOC)	Approx. 5 hours + 1 day (Class B)	
Condominium Resilience Exercise	Approx. 6 hours + Half day (Class B)	
Radio Utilization Exercise	Approx. 1 hour + Half day	
Drone-Based Situation Assessment Drill	Approx. 3 hours + 1 day (B-class)	
Risk Communication and Public Relations Exercise	Approx. 6 hours + half day (Grade B)	
Rescue and First Aid Drill	Approx. 7 hours + 1 day (Grade B)	
Health Crisis Management Exercise	Approximately 5 hours + 1 day (Grade B)	
Evacuation Shelter Management Exercise	Approx. 8 hours + 2 days (Grade B)	
Resilience Management Exercise for Welfare Facilities	Approx. 3 hours + half day (Grade B)	
Residential Damage Assessment Survey Exercise	Approx. 2 hours + 1 day (Class B)	
Heavy Machinery Safety Training	Safety briefing + 1 day	
Disaster Waste Exercise	Approx. 4 hours + 1 day (Class B)	

Capability Certification System

Grade A: Designer

Evaluates whether one can instruct disaster countermeasures in companies and communities

Grade B: Specialist

Evaluates whether the candidate can complete experiential training in specialized programs

C-Level: Generalist

Evaluates understanding of 8 fields and 47 types of disaster countermeasure operations

Based on the learning outcomes achieved at DMTC, assess knowledge and skills related to disaster countermeasures.