

KOENIG SOLUTIONS • COURSE OUTLINE

Disaster Mgmt: Sendai Framework & Incident Command

Learn to apply the Sendai Framework and Incident Command principles to manage disaster risk, response, recovery and resilience.

2 Days

DURATION

10

MODULES

40

TOPICS

COURSE OVERVIEW

This course examines disaster risk management through global frameworks such as the Sendai Framework, SDGs and the Paris Agreement, alongside hazard mapping, preparedness planning, policy and governance, and stakeholder engagement including community-based approaches. It then addresses emergency response coordination through incident command systems and multi-agency operations, post-disaster recovery and rehabilitation, resilient infrastructure and urban planning, and the role of technology such as AI, drones and predictive analytics. It closes with designing and conducting tabletop exercises to test and improve response plans.

WHO THIS COURSE IS FOR

Disaster Management Officers

Emergency Response Coordinators

Risk Assessment Specialists

Urban Planners

Policy and Governance Officers

Community Engagement Practitioners

LEARNING OBJECTIVES

- Explain key global disaster risk frameworks such as Sendai
- Identify hazards and assess vulnerability using GIS and mapping tools
- Plan contingency measures, early warning systems and resource logistics
- Describe policy, governance and legal structures for disaster management
- Apply inclusive stakeholder engagement across communities and sectors
- Coordinate emergency response using incident command systems
- Assess post-disaster recovery and resilient infrastructure needs
- Plan and evaluate tabletop exercises for continuous improvement

10 Modules, 40 Topics

DAY 1**Strategic Frameworks and Integrated Disaster Risk Management****01****Introduction to Advanced Disaster Management****TOPICS**

- Recap of Disaster Management Fundamentals
- The Disaster Risk Management Cycle (Prevention, Mitigation, Preparedness, Response, Recovery)
- Key Global Frameworks (Sendai Framework, SDGs, Paris Agreement)
- Current and Emerging Global Risks (climate change, pandemics, cyber threats)

02**Risk Assessment and Hazard Mapping****TOPICS**

- Multi-Hazard Risk Identification
- Vulnerability and Capacity Analysis
- Tools and Techniques for Hazard Mapping (GIS, remote sensing)
- Risk Profiling at Local, Regional, and National Levels

03**Advanced Disaster Preparedness Planning****TOPICS**

Contingency Planning and Scenario Building · Early Warning Systems and Technology · Resource and Logistics Planning · Role of Simulation Exercises and Drills

04**Policy, Governance, and Legal Frameworks****TOPICS**

- National and International Policy Instruments
- Institutional Roles and Responsibilities
- Disaster Management Authorities and Structures
- Integrating Disaster Risk Reduction (DRR) into Development Planning

05

Stakeholder Engagement and Community-Based DRR

TOPICS

- Public Awareness and Communication Strategies
- Working with Local Communities, NGOs, and Private Sector
- Indigenous Knowledge and Traditional Practices
- **Inclusive Planning:** Gender, Age, and Disability Considerations

DAY 2

Crisis Response, Recovery, and Resilience Building

01

Emergency Response Coordination

TOPICS

- Incident Command Systems and Operations Centers
- Multi-Agency Coordination (Health, Defense, Civil Supplies, etc.)
- Crisis Communication and Information Dissemination
- Case Studies of Major Emergency Responses

02

Post-Disaster Recovery and Rehabilitation

TOPICS

- Damage and Needs Assessment
- Recovery Planning and Prioritization
- Livelihood Restoration and Infrastructure Rebuilding
- Financial Tools for Recovery (Insurance, Relief Funds, Donor Aid)

03

Disaster-Resilient Infrastructure and Urban Planning

TOPICS

- Principles of Resilient Design
- Retrofitting and Risk-Proofing Infrastructure
- Smart Cities and Climate-Resilient Urban Planning
- Building Codes and Compliance

04

Role of Technology and Innovation

TOPICS

- Use of AI, Drones, Mobile Apps, and IoT in Disaster Management
- Predictive Analytics for Forecasting Disasters
- Real-time Data and Dashboards for Decision Making
- Blockchain and Digital Tools for Relief Distribution

05

Designing and Conducting Tabletop Exercises

TOPICS

Developing Scenarios for Risk-Based Drills · Running Tabletop Simulations · Evaluating Response Effectiveness · Action Plans for Continuous Improvement

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Hands-on exercises throughout the course
- Delivery by certified instructors and subject matter experts
- Course completion certificate from Koenig

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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