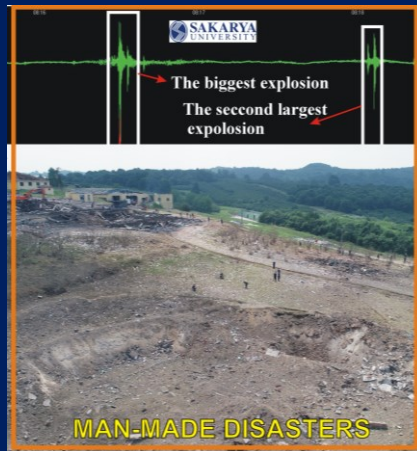


Studying natural and man-made hazards, reducing disaster risks and effective disaster response are a necessity.



Institutional Collaboration Toward Comprehensive Disaster Management



Contact

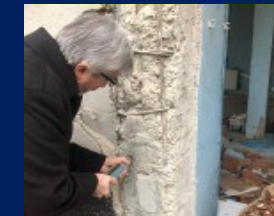
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Institute of Natural Sciences *Disaster Management* Graduate Studies



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Disaster Management Program

Disaster Management can be defined as organization and management of resources and responsibilities for dealing with all humanitarian aspects of emergencies, in particular preparedness, response and recovery in order to lessen the impact of disasters. Disaster archives show that although the loss of life due to disasters has decreased since the 1950s, the number of disasters has increased approximately 3 times and the economic losses due to disasters have increased 8 times. Meanwhile, insured losses within the economic losses have increased 15 times.

These data highlight the importance of identifying and monitoring natural and man-made hazards that cause disasters, reducing the risks and post-disaster crisis management. The necessity of educate/train individuals who are specialized in these activities, which can be considered within the general framework of **Disaster Management**, is clear. In 2020, two devastating earthquakes, a devastating flood and a big man-made explosion occurred in Turkey, suggesting that disaster management efforts in Turkey must be widespread and institutionalized.

Sakarya University, Institute of Natural Sciences, Disaster Management Program was established in 2015 and provides graduate education in MSc level. The program is a multi-disciplinary program due to the nature of disaster management and lectures are offered by faculty members from different disciplines.

Mission

To Develop and maintain a culture of Comprehensive Disaster Management among all sectors of the society in order to protect lives and property from natural and technological hazards and maintain resilient, sustainable economy

Vision

Working toward disaster resilience and safeguarding life, livelihoods and sustainable economy both in Turkey and abroad through Comprehensive Disaster Management.

Graduation Requirements

In order to complete the Disaster Management graduate program and have MSc degree students have to take courses that add to a minimum of 60 ECTS credit. Also a thesis, that makes an original contribution to science has to be successfully completed



Courses

Code	Course
AFY 001	Disasters and Disaster Management
AFY 007	Earthquake Hazard Management
AFY 003	Heuristic Optimization Applications In Disaster Logistics
AFY 005	Technologic Disasters and Humans In Disasters
AFY 004	Crisis Management
AFY 009	Flood Risk Management
AFY 011	Occupational Health and Safety For Disasters Personal
AFY 013	Disaster Vulnerability and Resilience
AFY 015	Fundamentals Of Fire and Combustion
AFY 017	Reliability Analysis Of Urban Transportation Networks
AFY 002	Urban Settlements In Disaster Management Approach
AFY 006	Flood Modelling and Risk Analysis
AFY 008	Disaster Logistics and Supply Chain Management
AFY 010	Landslide Risk Management
AFY 012	Fire Safety Protection and Suppression Systems
AFY 014	Disaster Management In Turkey and The World
AFY 016	Using It For Disaster Management
AFY 018	Disasters and Environmental Problems
AFY 020	Meteorological Disasters
AFY 021	Energy Supply In Disasters
AFY 522	Project Design In Geographic Information Systems
AFY 523	Geographic Information Systems and Applications
AFY 524	Vulnerability and Risk Assessment Methods
AFY 525	Water Supply and Sanitation In Emergencies
FBE 101	Project Writing Techniques I
FBE 102	Project Writing Techniques II
AFT 500	Scientific Research Techniques and Seminar