**Health in Disasters and Emergencies**

### **PhD in** **Health in Disasters and Emergencies**

Health in Disaster and Emergencies is an interdisciplinary program which covers different stages of preparation, response, and recovery as well as injury reduction in disasters and emergencies (such as natural, man- made, and biologic disasters). Specifically, the program will enable candidates to:

* Plan and develop policies, and lead efforts in managing and reducing the risks and injuries caused by various types of disasters
* Assist policy-makers in making sound decisions in critical situations

**Prerequisite Courses**

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| **Course list** | **Credit hours** |
| Medical information systems | 1 |
| Advanced statistics and research methods | 3 |
| Disaster management principals in health system | 2 |
| Health planning and management principles | 2 |
| Fundamentals of Epidemiology | 2 |
| Technical English language | 3 |
| Medical emergencies | 2 |
| Fundamentals of health services and referral system | 2 |
| Passive defense | 2 |

**Core Courses**

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| --- | --- |
| Disaster Risk management | 3 |
| Epidemiology of disasters | 2 |
| Man-made hazards | 2 |
| Natural hazards | 2 |
| Risk analysis | 7 |
| Hospital and pre-hospital planning in disasters | 2 |
| Public health in disasters and emergencies | 2 |
| Environmental health in emergencies and disasters | 2 |
| Communicable diseases in disasters | 2 |
| Community - based management of disasters | 1 |
| Incident command system | 1 |
| Seminar | 1 |
| Internship | 2 |
| Dissertation | 20 |

**Elective Courses**

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| Health economics in disasters | 2 |
| Geography of health & GIS | 1 |
| Nutrition in disasters | 1 |
| Hospital and pre-hospital emergency management | 2 |
| Reproductive health in emergencies and disasters | 1 |
| Psychological and social health in disasters | 2 |
| Disaster risk communication | 1 |
| International humanitarian assistance in disasters | 1 |
| Management and information technologies in disasters | 1 |
| Nursing in emergencies and disasters | 2 |
| Qualitative studies | 2 |
| Forecasting models in epidemiology | 2 |
| Logistics and resource management in emergencies and disasters | 1 |
| Strategic management | 2 |