

EMERGENCY MANAGEMENT (EMMT)

EMMT 6001 Intro to Emergency Management (3 Credit Hours)

This course will be an advanced examination of modern emergency management concepts, trends nationally and internationally, practical and political issues and policies, technological applications to emergency management, and the development and practical implementation of sound emergency management practices designed to protect people, communities, critical infrastructure and key assets. Included will be a brief review of emergency management policy and procedures in the United States and other countries, legal issues, social science perspectives, planning concepts and techniques, disaster modeling, operational problems, analytical methods, special populations, and management styles. Additionally, case studies will be examined to determine the extent of effective or ineffective planning, responding, and recovering from natural and technological disasters.

EMMT 6002 Health & Med Issues in EM (3 Credit Hours)

An advanced study of the important health and medical management issues involved in crises and emergencies presented for the non-medical emergency manager. The wide range of medical and health issues inherent to a crisis including biological, radiological, nuclear events and emergencies are described. Students will focus on innovative response and recovery including long term public health recovery issues methods for integrating medical, public health, and psychological processes into emergency management.

Prerequisite(s): (EMMT 6001 or 6001) and (HMLS 6250 or 6250).

EMMT 6003 Approaches- Counter Terrorism (3 Credit Hours)

Students will employ critical analysis to examine key policy issues and balances that must be addressed in strategic counterterrorism planning, particularly in the use of applied technology within the context of civil jurisdiction and rule of law. The course will examine terrorist threats to the homeland and how these threats can be met by the application of science and technology. Policy issues that address the balance between security and civil liberties that must be resolved to effectively counter terrorism will be discussed. These issues will be addressed from the governance perspective of a liberal democracy. Strategic planning principles that integrate capabilities of current and future applied technology and the key legal and policy issues that must be resolved in order to make effective use of information as balanced against civil liberties will be explored as well.

EMMT 6004 Business Continuity (3 Credit Hours)

With global business stretched across extended supply chains, productivity has increased, but it has come at a cost of increased vulnerability. Businesses cannot afford to be unprepared for traditional and emerging threats. Business continuity is a fast-growing area of emergency and security management focused on the private sector. This specialty works to ensure continuous business operations before, during, and after disasters or other normal disruptions. It is designed to provide strategies tied to national and international standards for the development of detailed business continuity plans. Students will discuss managing disruptions, maintaining continuity of critical operations, and mitigating losses that occur when interrupted. Based on the all-hazard framework, students will learn about the current threats, including political instability and cyber attacks. Regardless of the impetus for such disruptive events, students will be prepared to train employees to both mitigate and recover from such events. Students will also discuss best practices in the ongoing recovery efforts after an event.

EMMT 6005 Risk Mgt & Threat Assessment (3 Credit Hours)

This course examines the concepts, methods, and practices associated with risk management and threat assessment from an all-hazard perspective. Students will learn how to conduct hazard and risk analysis for both the public and private sectors. This course will include identifying and profiling hazards, analyzing and assessing hazard risk developing tactics to manage risk, examining multiple risk assessment tools, and communicating risk to the public. Participants will examine critical infrastructure sectors and associated interdependencies, cascading consequences, and shared vulnerabilities. Students will perform their own risk analysis and develop recommendations for policy makers as part of this curriculum.

EMMT 6006 Emergency Planning (3 Credit Hours)

Through a whole-community approach, this course provides an in-depth analysis of the processes and methods used throughout the entire federally-designated preparedness cycle. Planning is the backbone of the emergency management process. Steps required to develop a comprehensive emergency plan from the strategic, tactical, and operational approach will be discussed. Students will learn the skills to complete plans, develop training programs, and write after action reports and improvement plans. This course prepares students to develop plans that address vulnerabilities and promote community resiliency. Students will complete a draft plan for a local community organization as part of this curriculum.

EMMT 6007 Disaster Communications (3 Credit Hours)

This is an advanced examination of modern emergency management concepts, national and international trends, practical and political issues and policies, technological applications to emergency management, and the development and practical implementation of sound emergency management practices designed to protect people, communities, critical infrastructure and key assets. Course content includes reviews of emergency management policy and procedures in the U.S. and other countries, legal issues, social science perspectives, planning concepts and techniques, disaster modeling, operational problems, analytical methods, special populations, and management styles. Case studies are used to examine examples of effective and ineffective plans, responses, and recoveries from natural and technological disasters.

EMMT 6008 Cyber Threats and Homeland Sec (3 Credit Hours)

"Cyberspace" has become a pervasive presence in modern society, and a healthy functioning cyberspace is elemental to our economy and to national security. Along with benefits, however, there exists threats and malicious actors who seek to exploit cyberspace vulnerabilities, and, in doing so, threaten critical infrastructure and threaten National Security. This course will study the nature of cyber threats, including computer and digital crimes, information warfare and cyber terrorism, and related threats to personal, organizational, economic and national security. Students will gain an understanding of the variety and nature of cyber threats including digital espionage, computer break-ins, computer hacking, malware, communications eavesdropping, forgery, disruption to information flow, electronic bombs, cyber war and the growing presence of terrorist organizations on the internet. This course will also review countermeasures and a protection methodology to cyber threats, cyber security investigations, evidence gathering, and legal challenges. Lastly, this course will review current and national policies for securing cyberspace and the impact of cyber security on privacy and civil liberties.

EMMT 6009 Emergency Management Admin (3 Credit Hours)

Modern emergency managers are required to perform an ever-increasing number of administrative tasks. Their workload exceeds activities associated with operational emergency management. This course provides students the skills required for those tasks, including grant management and principles of managing an effective staff. Students will develop the capabilities necessary to successfully complete these administrative requirements.

EMMT 7001 Sport/Event Security and Respo (3 Credit Hours)

Concerts, athletic contests, and other large scale public events are under an increased man-made threat. Officials and first responders face the task of protecting the public while allowing for these types of events to continue. This class will examine the full range of issues that must be considered as plans for safety and security are developed. In addition, students will learn specialized planning and tactics required for coordinating a response to an emergency in this environment.

EMMT 7002 Leadership, Influence, and Dec (3 Credit Hours)

Emergency management practitioners must use leadership and influence effectively to lead organizations and their community in planning for, preventing, and responding to emergencies. This type of leadership encompasses vision, direction, coordination, and motivation toward achieving emergency management goals. Leadership skills are necessary whether dealing with senior agency officials, emergency management partners, or the public. A lack of leadership during an emergency can result in the loss of life, property, and the public trust. This course will expose students to the major factors, theories, and strategies for leadership, influence, and decision making. The traits, skills, and behaviors of effective leaders will also be discussed.

EMMT 7900 Emergency Management Capstone (3 Credit Hours)

This course synthesizes the full range of knowledge, skills, and abilities students developed over the entirety of their emergency management studies. Students will integrate and apply key concepts through a community-based project, developing a proposal and conducting this project at a public or non-profit sector entity. At the end of the semester, the project will be presented both to the chosen organization and classmates. Students will integrate critical decision-making skills with a unique and local hands-on learning experience. A written report documenting all aspects of the project will be presented for faculty approval.