

# EMHS COURSE STUDENT LEARNING OUTCOMES

## EMHS 200 - ICS/NIMS/EOC

CSLOs under review.

## EMHS 300 - Principles, Practices Philosophy & Doctrine of Emergency Management

Students will be able to analyze the core principles of emergency management and how they define practice.

Students will be able to analyze the principles and four phases of emergency management from case studies and report on findings.

Students will be able to evaluate lessons learned from past disasters and how they have shaped modern emergency management practice.

## EMHS 302 - Principles and Practices of Mitigation and Recovery in Emergency Management

Students will be able to analyze and apply concepts of mitigation and recovery phases of the emergency management cycle.

Students will be able to analyze and evaluate mitigation and recovery efforts through examination of a disaster case study.

Students will be able to evaluate and distinguish between hazards, risk and vulnerability.

## EMHS 304 - Hazard Risk Management: Vulnerability and Risk

Students will be able to demonstrate how risk management and hazard mitigation can reduce or minimize losses from hazards in a community.

Students will be able to distinguish hazard models used to characterize natural and human caused risks.

Students will be able to evaluate how hazard analysis and mitigation shape decision and policy making in organizations.

## EMHS 306 - Advanced ICS-EOC Interface

Students will be able to analyze the role of the Emergency Manager in emergency operations center functions and operations.

Students will be able to demonstrate through analysis of past events, alternative actions/solutions and how they may improve outcomes for survivors and communities during recovery efforts.

Students will be able to evaluate and differentiate the needs, purposes and outcomes of incident command, emergency operations centers and multi-agency coordinating groups.

## EMHS 311 - International and Domestic Terrorism

Students will be able to analyze the major components of terrorism and evaluate the reasons for studying it.

Students will be able to distinguish and evaluate the differences between domestic and international terrorism.

Students will be able to analyze the characteristics of terrorist organizations and how they have evolved over time.

## EMHS 313 - Homeland Security: Preparedness, Prevention, Deterrence & Emergency Management

Students will be able to analyze the characteristics of terrorist organizations, intelligence gathering and combating terrorism.

Students will be able to analyze the major components of ideology and the historical roots of terrorism.

Students will be able to evaluate the similarities and differences between homeland security and emergency management.

Students will be able to evaluate the similarities and differences between Islam and Radical Islam.

## EMHS 320 - History of United States Hazards and Disasters

Students will be able to analyze the history of hazards and disasters in the United States and how they impacted the advent of emergency management.

Students will be able to evaluate how the sociology of disasters on victims, communities and public policy led to the formation of the Federal Emergency Management Agency.

Students will be able to synthesize the types of disasters and catastrophes and their impacts in history for different regions of the United States.

## EMHS 321 - Homeland Security Policy, Ethics and Civil Liberties

Students will be able to analyze Federal laws and policies specific to protection of the Homeland and synthesize their impact upon liberty and privacy.

Students will be able to analyze how recent events including the 9/11 terrorist attack have reshaped Homeland Security and civil liberties.

## EMHS 322 - Trauma Treatment in an age of disaster and terrorism

Students will be able to analyze the various aspects of psychological trauma relative to natural and human caused events.

Students will be able to evaluate treatment options for psychological trauma for first responders in dealing with natural and human caused events.

Students will be able to identify the signs and symptoms of psychological trauma.

## **EMHS 323 - Physical Security and Deterrents to Terrorism**

Students will be able to evaluate and synthesize hazard vulnerabilities and their deterrence to terrorist threat and potential activities.

Students will be able to evaluate and synthesize hazard vulnerability models and their effect on physical security.

Students will be able to evaluate hazards analysis models to develop site, organizational and community sustainability in the event of a terrorist act.

## **EMHS 325 - Terrorism, Weapons of Mass Destruction and Homeland Security**

Students will be able to analyze the characteristics of terrorist groups, the use of terrorist financing and their evolution over time.

Students will be able to analyze the differences between immigration, border control, policing and homeland security.

Students will be able to analyze the major components of Homeland Security and its study.

Students will be able to distinguish and evaluate the similarities and differences between organized crime and terrorist groups.

## **EMHS 410 - Social Dimensions, Lifecycle and Ethics of Disaster**

Students will be able to analyze and evaluate the influences politics, economics, education and culture have on disaster lifecycle relative to vulnerability and resiliency.

Students will be able to analyze and evaluate the role and influence of traditional and social media in disaster lifecycle.

Students will be able to evaluate and differentiate the roles and relationship of local and national government; non-government organizations, non-structured community and faith based groups in disaster lifecycle.

Students will be able to explore and analyze disaster lifecycle and the corresponding general phases relative to social and ethical dimensions.

## **EMHS 412 - Emergency Management Fiscal Administration**

Students will be able to analyze critical decision-making skills needed to respond appropriately to emergency and disaster fiscal situations.

Students will be able to analyze issues and challenges involved in disaster fiscal management.

Students will be able to evaluate and explore federal grant opportunities for emergency management and the methods to properly manage grant funds.

Students will be able to explore and evaluate principles of fiscal supervision and management of an emergency management organization.

## **EMHS 414 - Organizational Crisis & Continuity Management**

Students will be able to analyze the financial implications of contingency planning and develop an appropriate continuity plan.

Students will be able to evaluate the mechanisms of appropriate organizational contingency and continuity planning.

Students will be able to formulate the key elements of continuity planning for both public and private organizations.

## **EMHS 416 - Introduction to Exercise Design and Evaluation**

Students will be able to compare and contrast the purposes, characteristics, and design considerations for orientation, tabletop, functional and full-scale exercises.

Students will be able to define the systematic exercise evaluation process.

Students will be able to explain how a comprehensive exercise program is used to improve each of the four phases of emergency management.

Students will be able to identify the exercise design cycle.

## **EMHS 420 - Advanced Disaster Case Study**

Students will be able to analyze how politics, economics, technology and risk denial play a role in a given disaster case study and develop a plan to work with or mitigate untoward factors.

Students will be able to analyze how the four phases of emergency management were applied to a given disaster case study.

Students will be able to evaluate historical successes and failures of emergency management in the context of disaster events.

## **EMHS 421 - Critical Thinking and Strategic Intelligence**

Students will be able to define critical thinking and its importance to the practice of homeland security.

Students will be able to define how statistics can be used to confuse, mislead and misinterpret homeland security data.

Students will be able to identify the eight elements of thought and their application to critical thinking in homeland security.

Students will be able to identify, describe and define the application of intelligence gathering and processing as it relates to homeland security.

## **EMHS 422 - Public Health and Disasters**

Students will be able to define and analyze the role of the public health professional in emergency preparedness and response activities.

Students will be able to identify and develop distinctions to the scope of events that can lead to a public health emergency.

Students will be able to identify and evaluate the role of Public Health Preparedness relative to emergency management and homeland security.

## **EMHS 423 - Critical Infrastructure and Resource Protection**

Students will be able to apply the cornerstones of Homeland Security to critical infrastructure protection.

Students will be able to develop strategies and policy for the protection of critical infrastructure protection given a particular level and/or type of identified critical infrastructure.

Students will be able to evaluate and develop protection plans for various types and levels of critical infrastructure.

## **EMHS 425 - Emergency Management/ Homeland Security Leadership & Communication**

Students will be able to analyze the relationship between problems and decisions by examination of scenario-based models, personal attributes, and how pre-disaster decisions affect post-disaster decisions in the field of emergency management.

Students will be able to demonstrate acquisition of basic knowledge and skills necessary to develop/enhance basic skills in writing, public speaking, working with the media and handling interviews and media conferences.

Students will be able to evaluate and analyze leadership strategies that foster positive work environments, build trust, and demonstrate quality improvement.

Students will be able to evaluate and differentiate changes in media relations and leadership based on policy and political change from the Cold War era to present.

## **EMHS 427 - Critical Incident Management for Public Safety**

Students will be able to develop, implement and present a critical incident management plan for a given incident case study.

Students will be able to evaluate and implement critical incident management techniques.

Students will be able to plan and implement response procedures to a variety of critical incidents.

## **EMHS 429 - Transportation Systems: Security and multi-modal transportation**

Students will be able to analyze the characteristics of multiple modes of transportation and the economic effects of multiple-modal transportation disasters.

Students will be able to analyze the security effects of multiple-modal transportation disasters.

Students will be able to define major security components relative to transportation, geography and the transportation networks.

## **EMHS 470 - Emergency Management Homeland Security Internship**

Students will be able to complete a written assignment reflective of the internship experiences, emphasizing its value to their stated goals and objectives.

Students will be able to identify an appropriate organizational structure for the internship organization with a summary of key positions and functions.

Students will be able to list their goals and objectives for the internship and complete a pre and post evaluation of their knowledge skills and abilities.

## **EMHS 490 - Emergency Management Homeland Security Capstone**

CSLOs are under review.