

# EMERGENCY MANAGEMENT AND HOMELAND SECURITY (EMHS)

## **EMHS 105 Introduction to Disaster, Hazards & Risk (3 Units)**

Provides a research based and practitioner overview of how people perceive and react to extreme events before, during, and after disasters. (Formerly 2235:105)

## **EMHS 201 Police Academy: Administration & Legal (3 Units)**

Prerequisite: Acceptance into the Police Academy. Corequisites: EMHS 202, EMHS 203, EMHS 204 and EMHS 205. Overview of the administration and legal issues of becoming an Ohio Peace Officer. (Formerly 2235:201)

## **EMHS 202 Police Academy: Homeland Security (3 Units)**

Prerequisite: Acceptance into the Police Academy. Corequisites: EMHS 201, EMHS 203, EMHS 204 and EMHS 205. Overview of human relations, civil disorders, investigation, and homeland security involved in becoming an Ohio Peace Officer. (Formerly 2235:202)

## **EMHS 203 Police Academy: Traffic (3 Units)**

Prerequisite: Acceptance into the Police Academy. Corequisites: EMHS 201, EMHS 202, EMHS 204 and EMHS 205. Overview of motor vehicle offenses, traffic crash investigation, speed measuring and sobriety testing required to pass the Ohio Peace Officer Training program. (Formerly 2235:203)

## **EMHS 204 Police Academy: Practicals I (3 Units)**

Prerequisite: Acceptance into the Police Academy. Corequisites: EMHS 201, EMHS 202, EMHS 203 and EMHS 205. Classroom and practical skills training in firearms, patrol, and driving to satisfy all state requirements for the Ohio Peace Officer Training Program. (Formerly 2235:204)

## **EMHS 205 Police Academy: Practicals II (3 Units)**

Prerequisite: Acceptance into the Police Academy. Corequisites: EMHS 201, EMHS 202, EMHS 203 and EMHS 204. Classroom and skills in defense tactics, physical fitness and First Aid/CPR/AED & WMD Awareness to satisfy requirements to become an Ohio Peace Officer. (Formerly 2235:205)

## **EMHS 210 Occupational Safety & Risk (3 Units)**

Introduction to the field of health and safety as related to business and industrial operations. Emphasis is placed on hazard/risk analysis and the regulatory environment. (Formerly 2235:210)

## **EMHS 220 Environmental Law & Regulations (3 Units)**

Introduction to the legal system and to the laws and regulations dealing with water, air, land, noise and other sources of pollution. (Formerly 2235:220)

## **EMHS 221 Environmental Law & Regulations II (3 Units)**

Prerequisite: EMHS 220 and permission. Designed to provide students the opportunity to apply common regulatory reporting mechanisms in a practical manner utilizing a variety of software programs recognized in the environmental field. (Formerly 2235:221)

## **EMHS 230 Water & Atmospheric Pollution (3 Units)**

Prerequisites: EMHS 105. Basic concepts of aquatic and atmospheric systems and the processes which pollute them. Emphasis on control and monitoring of cultural, industrial, and agricultural pollution sources. Laboratory. (Formerly 2235:230)

## **EMHS 232 Environmental Sampling Laboratory (2-3 Units)**

Corequisite: EMHS 230. Field experience with a wide range of environmental sampling techniques and equipment. (Formerly 2235:232)

## **EMHS 255 Fire & Emergency Services Instructor Development (3 Units)**

Prerequisite: For Ohio Certification, a fire, emergency services, or fire inspector credential must be completed before starting the course. This sophomore-level course is designed to prepare Emergency Management and Homeland Security professionals as Level 1 and Level 2 NFPA Instructors. Over the semester, students will develop essential skills in adult education, communication, instructional methods, lesson plan development, and program management specific to fire and emergency services training.

## **EMHS 285 Disasters in Film and Media (3 Units)**

Examines how contemporary culture perpetuates myths of natural and technological disasters. Students deconstruct and analyze reality from the myths in various types of media. (Formerly 2235:285)

## **EMHS 305 Principals of Emergency Management and Homeland Security (3 Units)**

An overview of emergency management and homeland security history, theory, terms, concepts, organization, and roles. Emphasizes natural and technological hazards, and risk assessment processes. (Formerly 2235:305)

## **EMHS 340 Disaster Research Methods (3 Units)**

Introduction to scientific method and processes, research ethics, and qualitative and quantitative methods. Use of research for appropriate decision making. (Formerly 2235:340)

## **EMHS 350 Disaster Preparedness & Response (3 Units)**

Prerequisite: EMHS 305. Legal requirement, planning formats, and response procedures are presented. Special focus community risk assessment: hazard analysis, vulnerability assessment, and community response capability assessment. (Formerly 2235:350)

## **EMHS 360 Introduction to Terrorism (3 Units)**

Corequisite: EMHS 305. Examines terrorism from historical, international, transnational, and domestic perspectives. Includes political and religious terrorism along with emergency management considerations. (Formerly 2235:360)

## **EMHS 365 Disaster Mitigation (3 Units)**

Prerequisite: EMHS 305. Examines disaster prevention and risk reduction. Focuses on such concepts as sustainability, resiliency, non-structural and structural mitigation and various sectors' responsibilities. (Formerly 2235:365)

## **EMHS 367 Disaster Recovery (3 Units)**

Prerequisite: EMHS 305. Provides foundations for disaster relief and recovery planning, stages of recovery, resources used, and formation of public/private partnerships for recovery action and resource allocation. (Formerly 2235:367)

## **EMHS 368 Professionalism in Emergency Management and Homeland Security (3 Units)**

Prepares students for career entry into Emergency Management and Homeland Security areas. Professionalism, resume building, interview techniques, and resource sites will be examined. (Formerly 2235:368)

## **EMHS 370 Hazard Science and Management (3 Units)**

Overview of hazards theory, the science of hazard development, and various hazard types. Emphasis on emergency management and homeland security perspectives in regard to various hazard management related topics. (Formerly 2235:370)

**EMHS 384 Intelligence: Cyber and Homeland Security (3 Units)**

This course introduces students to the role and operation of the intelligence community within the homeland security framework: History, mission, structure, capabilities, and methods. (Formerly 2235:384)

**EMHS 401 Crisis Leadership (3 Units)**

This course presents leadership research from an interdisciplinary perspective. Content is drawn the fields of business, training, simulation, organizational theory, government, and others. This course covers early leadership theory, horizontal theories, crisis training models and approaches, and crisis cognitive processing strategies. Students will examine the overall system of building better crisis leaders. (Formerly 2235:401)

**EMHS 406 Disaster Management Technology (3 Units)**

Prerequisite: EMHS 305. Provides an overview of the various types of technology utilized in disasters, emergency management and homeland security. Topics include communications, watches, warnings, and operational challenges. (Formerly 2235:406)

**EMHS 407 Hazardous Weather Observations (3 Units)**

Overview of meteorological variables and weather data useful to EM including meteorological instruments, forecasts, model, radar and satellite imagery, thunderstorms, tornadoes, winter storms and hurricanes. (Formerly 2235:407)

**EMHS 420 Disaster Vulnerability (3 Units)**

Prerequisite: EMHS 305. Analysis of citizen actions regarding major disasters including perspectives of individuals and emergency managers using case studies, theories, and social problems. (Formerly 2235:420)

**EMHS 425 Private Sector Disaster Applications (3 Units)**

Prerequisite: EMHS 305. Examines emergency management and homeland security business components in the private and public sectors. Emphasizes business continuity plans along with case studies in hazards and disasters. (Formerly 2235:425)

**EMHS 430 Contemporary Issues in Emergency Management and Homeland Security (3 Units)**

Discussion of relevant issues impacting the field of emergency management and homeland security by analyzing various case studies. (Formerly 2235:430)

**EMHS 435 Cyber Issues in Emergency Management and Homeland Security (3 Units)**

Prerequisite: EMHS 305. Discussion and analysis of cyber issues impacting the public, private, and nonprofit sectors of emergency management and homeland security. (Formerly 2235:435)

**EMHS 480 Emergency Management & Homeland Security Capstone (3 Units)**

Corequisite: EMHS 495. The course brings together relevant concepts in emergency management and homeland security to help prepare graduates for professional careers integrating theory and applications. (Formerly 2235:480)

**Gen Ed:** Capstone

**EMHS 490 Current Topics in Emergency Management (1-4 Units)**

Prerequisites: EMHS 305 and EMHS 350. A variety of course topics on current subjects related to emergency management and disaster preparedness. May be repeated for up to 12 credits. (Formerly 2235:490)

**EMHS 495 Emergency Management & Homeland Security Internship (3 Units)**

Prerequisite: 30 hours in program and permission from program director. Supervised work experience in emergency management and/or homeland security to increase student understanding by applying program education to an applied work experience. (Formerly 2235:495)

**EMHS 497 Independent Study in Emergency Management (1-4 Units)**

Prerequisites: EMHS 305 and EMHS 350. Selected topics, special areas of study in emergency management, disaster preparedness under the supervision of a faculty member with whom specific arrangements have been made. (Formerly 2235:497)