

Course Descriptions

MEMS 200 Emergency Management Science Fundamentals 3 Units

This course provides a comprehensive exploration of the history and evolution of the emergency management profession, with a strong emphasis on public health. It delves into contemporary concepts, functions, and practices essential for effective emergency management across government, nonprofit organizations, and the private sector.

Prerequisite: Admission to MEMS program or permission of instructor

MEMS 201 Risk Assessment and Planning in Disasters 3 Units

This course explores the methodologies and practices of risk assessment and mitigation within the field of emergency management. Emphasizing a multidisciplinary approach, the course integrates principles from public health, trauma response, environmental science, engineering, public policy, and social sciences.

Prerequisite: Admission to MEMS program or permission of instructor

MEMS 202 Crisis Communication in Emergencies 3 Units

This course explores the critical role of communication before, during, and after crises in the field of emergency management. The course integrates theoretical insights with practical applications, emphasizing the importance of timely, accurate, and clear communication to various stakeholders, including the public, healthcare teams, media, and emergency response teams.

Prerequisite: Admission to the MEMS program and successful completion of previous trimester coursework or permission of instructor

MEMS 203 Disaster Response and Recovery 3 Units

This course explores the principles, strategies, and practices of disaster response and recovery. Emphasizing an interdisciplinary approach, this course integrates theoretical frameworks with practical applications and addresses the complexities of coordinating efforts across various agencies, sectors, and public health systems.

Prerequisite: Admission to the MEMS program and successful completion of previous trimester coursework or permission of instructor

MEMS 204 Interdisciplinary Incident Command Systems 3 Units

This course provides an in-depth study of Interdisciplinary Incident Command Systems (ICS), emphasizing their application in managing complex emergencies and disasters. The course covers the coordination and integration of efforts across various disciplines, including public safety, physical and mental healthcare, environmental management, and critical infrastructure.

Prerequisite: Admission to the MEMS program and successful completion of previous trimester coursework or permission of instructor

MEMS 205 Public Health in Emergencies**3 Units**

This course examines the role of public health in the context of emergencies and disasters. The course covers the principles, strategies, and practices necessary to protect and promote public health during crises, including health risk assessment, disease prevention, and health system resilience in the face of natural and human-made disasters.

Prerequisite: Admission to the MEMS program and successful completion of previous trimester coursework or permission of instructor

MEMS 206 Public Health and Business Continuity Planning**3 Units**

This course focuses on the principles, practices, and strategies of Business Continuity Planning (BCP) within emergency management. The course covers the planning process needed to ensure organizational resilience by developing continuity plans that address disruptions across different sectors, including healthcare facilities and public health systems.

Prerequisite: Admission to the MEMS program and successful completion of previous trimester coursework or permission of instructor

MEMS 207 Technology in Emergency Management Science**3 Units**

This course explores the role of technology in modern emergency management practices. The course covers a wide range of technologies and their applications in emergency management with a focus on implementing and managing various technological tools and systems to improve emergency management outcomes.

Prerequisite: Admission to the MEMS program and successful completion of previous trimester coursework or permission of instructor

MEMS 210 Emergency Management Science Capstone I**1 Unit**

This course explores current and emerging topics in emergency management. Students will engage in research and discussion on recent developments, trends, and challenges in the field.

Prerequisite: Admission to MEMS program or permission of instructor

MEMS 211 Emergency Management Science Capstone II**1 Unit**

This course provides students with hands-on experience in emergency management. Students will formulate a topic for a professional research presentation on an emergency management topic of their choice that is relevant to their location and employment setting.

Prerequisite: Admission to the MEMS program and successful completion of previous trimester coursework or permission of instructor

MEMS 212 Emergency Management Science Capstone III**2 Units**

This course introduces students to research methodologies specific to emergency management. Students will learn how to design and conduct research, including qualitative and quantitative methods, data collection, and analysis.

Prerequisite: Admission to the MEMS program and successful completion of previous trimester coursework or permission of instructor

MEMS 213 Emergency Management Science Capstone IV**2 Units**

In this final course in the capstone sequence, students will utilize their knowledge and skills from the previous capstone courses to complete a professional presentation on a topic of their choice in emergency management that is relevant to their location and employment setting. This course integrates knowledge and skills gained throughout the program.

Prerequisite: Admission to the MEMS program and successful completion of previous trimester coursework or permission of instructor