The University of Akron
Disaster Science & Emergency Services
Emergency Management & Homeland Security

Course Name: Disaster Management Technology
Course Number: EMHS:406
Course Credit: 3 credit hours
Prerequisites: 2235:305

Course Description:
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.

Program Outcomes:

Upon completion of this course, the student will gain a better
understanding of:

1. the scientific processes of various technologies
2. uses of technology in disasters, emergency management, and
   homeland security
3. various types of communication methods
4. different software and hardware
5. databases and modeling
6. professionalism in Emergency Management
7. operational and ethical challenges
8. utilization of case studies

Course Outline:
Topic I: Technology as a Tool in Emergency Management
Topic II: Uses of Technology
Topic III: Voice Communications
Topic IV: Data Communications
Topic V: Watches and Warnings
Topic VI: Software and Hardware
Topic VII: Remote Sensing
Topic VIII: Databases
Topic IX: Modeling
Topic X: Operational Challenges of Technology

Assessment:

The University of Akron and specifically the Emergency Management and Homeland Security program assesses student learning at several levels: general education, program, and classroom. The goal of these assessment activities is to improve student learning. As a student in this course, you will participate in various assessment activities. Students have an active role in course and program assessment projects designed to strengthen and constantly improve student learning and educational outcomes.

Grading Scale

Grade	Percent Required
A	93-100%
A-	90-92%
B+	87-89%
B	83-86%
B-	80-82%
C+	77-79%
C	73-76%
C-	70-72%
D+	67-69%
D	63-66%
D-	60-62%
F	0- 59%