Course Description

FES4823 | Integrated Emergency Management Planning Systems | 3.00 credits

This course provides an analysis of technology applications and its role in emergency planning, responses, recovery, and mitigation.

Course Competencies

Competency 1: The student will define the use of technology in emergency management by:
1. Identifying computer systems used
2. Researching and discussing telecommunications and related technology in emergency rescue and security

Competency 2: The student will demonstrate the importance of technology by:
1. Describing technological advances
2. Defining technological needs
3. Describing the interaction of technology, politics, economics, demographics, and environmental change

Competency 3: The student will discuss technological strategies by:
1. Describing the use of and impact of technology in emergency management
2. Identifying methods used to secure technologies

Competency 4: The student will analyze the impact of the internet in emergency planning by:
1. Defining the internet's purpose and its contributions to emergency planning
2. Comparing and contrasting the advantages and disadvantages of open systems

Competency 5: The student will analyze technology applications by:
1. Identifying and discussing emergency planning applications
2. Defining response and recovery applications
3. Assessing mitigation applications

Competency 6: The student will create a plan demonstrating the need for technology by:
1. Defining the need for technology
2. Incorporating implementation strategies
3. Demonstrating community benefits
4. Incorporating maintenance and testing strategies
5. Incorporating training schedules

Competency 7: The student will analyze acquisition issues by:
1. Researching and discussing cost effectiveness
2. Determining need
3. Discussing resistance to change

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Use computer and emerging technologies effectively