

Safety Management

SAFM 533

Disaster Preparedness and Management Systems

Thursday 4:00 – 6:50 PM; MRB – Room 105

Fall 2014

Instructor: Xinjian (Kevin) He, Ph.D.
Office: 309D MRB
Phone: 304-293-9475
Email: Xinjian.He@mail.wvu.edu

Office Hours: Thursday 10:00-12:00pm and 2:00-3:30pm. Other hours by appointment.
Textbook: Not required.
Attendance: Attendance is required for all class sessions.

Syllabus

Course Description: This course is an introduction to Disaster Preparedness. The student will be provided information regarding the various types of disasters and the factors that influence a response to each. The student will be provided information regarding the various agencies that are responsible for disaster preparedness, including Local Emergency Planning Committees, Office of Emergency Services, Federal Emergency Management Agency and Homeland Security. Also, the student will be provided information regarding the different disciplines that respond to disasters, including fire, law enforcement, search and rescue, health department, medical examiner, communications, private industry, environmental protection, military, transportation, public information and community services. In addition, the students will have the opportunity to obtain required certifications Incident Command and National Incident Management.

Upon completion of the Course the student will be able to:

- Identify the regulatory requirements to use Incident Command System (ICS).
- Apply the principles of the ICS to any type or size disaster.
- Describe the intent of the National Incident Management System (NIMS).
- Describe the purpose of the National Response Framework (NRF).
- Describe the response organizations utilized for multiagency coordination.
- Describe the roles and responsibilities of entities specified in the NRF.
- Develop comprehensive response plans based on the type, size, and complexity of a disaster.

Course Schedule:

Week	Date	Class Topics
1	August 21	Introduction to Disasters and Response Organization
2	August 28	Natural Disasters – Earthquake and Volcano
3	September 4	Natural Disasters – Severe Weathers (Tornado, Flood, Blizzard)
4	September 11	Wildfire and Radiological Disaster
5	September 18	Midterm One
6	September 25	The Incident Command System (ICS 100); Homework One
7	October 2	The Incident Command System (ICS 200); Homework Two
8	October 9	Fire Service, Law Enforcement
9	October 16	Health & Medical Services, Environmental Protection
10	October 23	Midterm Two
11	October 30	The National Incident Management (NIMS 700); Homework Three
12	November 6	The National Response Framework (ICS 800); Homework Four
13	November 13	Emergency Management and Private Industry
14	November 20	Guest Speaker, TBD. Review for Final Exam.
15	November 27	No Class. Happy Thanksgiving!
16	December 4	Final Exam (Project Report)
17	December 11	

Grade Allocation

Attendance:	10%
Assignments/Homework:	20%
Midterm Exam #1:	20%
Midterm Exam #2:	20%
Final Exam:	30%

Total: 100%

Grade Scale:	90 – 100 = A
	80 – 89 = B
	70 – 79 = C
	60 – 69 = D

< 60 = F

Student Learning Objectives for Course and Assessment Techniques

1. Demonstrate knowledge of the fundamental concepts of natural and man-made disasters, and the roles and responsibilities of various response agencies.

❖ **Assessment:** Exams; Exercises; Project; Portfolio

2. Demonstrate knowledge and skills with the regulatory requirements and the Federal Emergency Management Agency (FEMA) Incident Command System (ICS 100, 200, and 800) and the National Incident Management System (NIMS 700).

❖ **Assessment:** Exams; Home work/assignment; Project; Portfolio

3. Demonstrate the ability to apply the principles of the FEMA ICS and NIMS to any type or size disaster.

❖ **Assessment:** Exams; Project

Academic Honesty

The integrity of the classes offered by any academic institution solidifies the foundation of its mission and cannot be sacrificed to expediency, ignorance, or blatant fraud. For the detailed policy of West Virginia University regarding the definitions of acts considered to fall under academic dishonesty and possible ensuing sanctions, please see the Student Conduct Code at http://studentlife.wvu.edu/office_of_student_conduct/student_conduct_code.

Social Justice Statement

West Virginia University is committed to social justice. I concur with that commitment and expect to maintain a positive learning environment based upon open communication, mutual respect, and non-discrimination. Our University does not discriminate on the basis of race, sex, age, disability, veterans status, religion, sexual orientation, color or national origin. Any suggestions as to how to further such a positive and open environment in this class will be appreciated and given serious consideration.

If you are a person with a disability and anticipate needing any type of accommodation in order to participate in this class, please advise me and make appropriate arrangements with the Office of Disability Services (304-293-6700).