

**STATE UNIVERSITY OF NEW YORK  
COLLEGE OF TECHNOLOGY  
CANTON, NEW YORK**



**MASTER SYLLABUS**

**COURSE NUMBER – COURSE NAME  
EADM 435 – Disaster Simulation**

**Created by: Dr. M. O'Connor**

**Updated by: Jay Roorbach**

**School of Science, Health, and Criminal Justice**

**Department: Center for Criminal Justice, Intelligence, and Cybersecurity**

**Semester/Year: Fall 2020**

- A. **TITLE:** Disaster Simulation
- B. **COURSE NUMBER:** EADM 435
- C. **CREDIT HOURS:** (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity)

# Credit Hours: 3  
# Lecture Hours: 3 per week  
# Lab Hours:           per week  
  Other:           per week

Course Length: 15 Weeks

- D. **WRITING INTENSIVE COURSE:** Yes  No
- E. **GER CATEGORY:** None:  Yes: GER  
*If course satisfies more than one:* GER
- F. **SEMESTER(S) OFFERED:** Fall  Spring  Fall & Spring

G. **COURSE DESCRIPTION:**

The course will introduce students to emergency and disaster management training and exercise theory and doctrine. The class is presented in thirds, the first of which is an introduction and detailed information about the Homeland Security Exercise and Evaluation Program (HSEEP). Students will gain valuable skills in developing training and exercise objectives and develop detailed documentation for planning, conducting, and evaluating training and exercises. The second third of the course will allow students to actually create the required documentation to conduct different types of exercises. In the last third of the course, students will be divided into groups and actually participate in a discussion-based exercise involving a disaster scenario.

- H. **PRE-REQUISITES:** None  Yes  If yes, list below:

Incident Command System (EADM 400) and Simulated Disaster Training (EADM 430) or permission of instructor.

**CO-REQUISITES:** None  Yes  If yes, list below:

**I. STUDENT LEARNING OUTCOMES: (see key below)**

By the end of this course, the student will be able to:

<u>Course Student Learning Outcome</u> <u>[SLO]</u>	<u>Program Student Learning Outcome</u> <u>[PSLO]</u>	<u>GER</u> <u>[If Applicable]</u>	<u>ISLO &amp; SUBSETS</u>	
Identify terminology and doctrine related to simulations for emergency and disaster management.	Students will develop and maintain a comprehensive understanding of emergency and disaster management.		4-Soc Respons ISLO ISLO	GL Subsets Subsets Subsets
Develop strategic training and exercise plans for an organization.	Students will collect, analyze, and synthesize information in making critical judgements, some of which can be time sensitive in emergencies or disasters.		2-Crit Think ISLO ISLO	CA Subsets Subsets Subsets
Design and implement simulated incidents as preparedness tools for emergency plan validation.	Students will develop written communications related to emergency management and present projects in multiple formats.		1-Comm Skills ISLO ISLO	W Subsets Subsets Subsets
Perform emergency management decision-making and team leadership skills in an emergency or disaster simulation.	Students will work individually and/or collaboratively to address challenges and issues related to emergency mitigation, preparedness, response, and recovery.		4-Soc Respons ISLO ISLO	T Subsets Subsets Subsets
Demonstrate knowledge of emergency and disaster management	Students will demonstrate an advanced understanding of the core concepts, theories, and doctrine related to emergency and disaster management.		5-Ind, Prof, Disc, Know Skills ISLO ISLO	None Subsets Subsets Subsets

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KEY	<b>Institutional Student Learning Outcomes [ISLO 1 – 5]</b>
ISLO #	ISLO & Subsets
1	<b>Communication Skills</b> Oral [O], Written [W]
2	<b>Critical Thinking</b> <i>Critical Analysis [CA], Inquiry &amp; Analysis [IA], Problem Solving [PS]</i>
3	<b>Foundational Skills</b> <i>Information Management [IM], Quantitative Lit./Reasoning [QTR]</i>
4	<b>Social Responsibility</b> <i>Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]</i>
5	<b>Industry, Professional, Discipline Specific Knowledge and Skills</b>

\*Include program objectives if applicable. Please consult with Program Coordinator

J. **APPLIED LEARNING COMPONENT:** Yes  No

If YES, select one or more of the following categories:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Classroom/Lab | <input type="checkbox"/> Civic Engagement              |
| <input type="checkbox"/> Internship               | <input type="checkbox"/> Creative Works/Senior Project |
| <input type="checkbox"/> Clinical Placement       | <input type="checkbox"/> Research                      |
| <input type="checkbox"/> Practicum                | <input type="checkbox"/> Entrepreneurship              |
| <input type="checkbox"/> Service Learning         | (program, class, project)                              |
| <input type="checkbox"/> Community Service        |  |

K. **TEXTS:**

Homeland security exercise and evaluation program (HSEEP). (2007). Washington, D.C.: U.S. Dept. of Homeland Security, Office for Domestic Preparedness.

L. **REFERENCES:**

None

M. **EQUIPMENT:** None  Needed:

N. **GRADING METHOD:** A-F

O. **SUGGESTED MEASUREMENT CRITERIA/METHODS:**

- Discussion Boards
- Written Assignments
- Participation including group work

P. **DETAILED COURSE OUTLINE:**

I. **INTRODUCTION TO SIMULATION**

A. Introduce exercise doctrine and methodology

B. Exercise program management

C. Exercise development and design

D. Exercise conduct

E. Exercise evaluation and improvement planning

II. **DEVELOPMENT OF SIMULATIONS**

A. Tabletop exercise presentation development

B. Tabletop exercise Situation Manual development

C. Full-Scale exercise planning meetings

D. Full-Scale exercise - Exercise Plan and Master Scenario Events List development

E. After Action Report development

III. **VIRTUAL FUNCTIONAL EXERCISE**

A. Exercise collaboration and team development

B. Development of materials for the exercise

C. Introduction of disaster scenario

**D. Team work and response to scenario**

**E. Write After Action Report**

**Q. LABORATORY OUTLINE: None  Yes**