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:

Course Student Learning Outcome [SLO]	***Program Student Learning Outcome [PSLO]***	***GER*** *[If Applicable]*	***ISLO & SUBSETS***	
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	**Institutional Student Learning Outcomes [ISLO 1 – 5]**
ISLO #	**ISLO & Subsets**
1	**Communication Skills** Oral [O], Written [W]
2	**Critical Thinking** *Critical Analysis [CA] , Inquiry & Analysis [IA] , Problem Solving [PS]*
3	**Foundational Skills** *Information Management [IM], Quantitative Lit,/Reasoning [QTR]*
4	**Social Responsibility** *Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]*
5	**Industry, Professional, Discipline Specific Knowledge and Skills**

*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:

- ☒ Classroom/Lab
- ☐ Internship
- ☐ Clinical Placement
- ☐ Practicum
- ☐ Service Learning
- ☐ Community Service
- ☐ Civic Engagement
- ☐ Creative Works/Senior Project
- ☐ Research
- ☐ Entrepreneurship (program, class, project)

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. <u>LABORATORY OUTLINE</u>: None ☒ Yes ☐