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

MASTER SYLLABUS

COURSE NUMBER – COURSE NAME
EADM 400 – Incident Management Systems

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**: Incident Management Systems

B. **COURSE NUMBER:** EADM 400

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:**

This course provides a detailed overview of the National Incident Management System (NIMS) and includes scenarios, examples, and opportunities for students to apply what they have learned. NIMS is a framework for organizational management of emergencies and disasters used by local jurisdictions, states, and federal agencies. NIMS has been widely adopted as the standard for emergency management and unique and complementary organizational structures have been developed to provide command and coordination, resource management, and personnel competency assessment to all incidents.

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

Risk and Hazard Impact Studies (EADM 205) 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*	
Understand the historical context and evolution of emergency management structures and systems in the United States, including national coordination frameworks.	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
Understand the doctrine of the Incident Command System (ICS), Multi-Agency Coordination Systems (MACS), and resource 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
Discuss some of the limitations of incident management systems and evaluate the obstacles to effective implementation of incident command and coordination.	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
Describe implementation of basic Incident Command System (ICS), use of ICS in expanding incidents, Unified Command, and resource 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
Analyze past and current incidents and determine successes and areas for improvement in incident management.	Students will identify strategic, tactical, legal, and ethical choices inherent to decision making, and make sound judgements based on emergency scenarios and current events.		4-Soc Respons ISLO ISLO	ER 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   ☐ Civic Engagement
☐ Internship   ☐ Creative Works/Senior Project
☐ Clinical Placement   ☒ Research
☐ Practicum   ☐ Entrepreneurship
☐ Service Learning   (program, class, project)
☐ Community Service

K.   **TEXTS:**

Department of Homeland Security. (2004). National Incident Management System.
    Washington, DC: DHS.

L.   **REFERENCES:**

None

M.   **EQUIPMENT: None** ☒   **Needed:**

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

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

- **Quizzes**
- **Discussion Boards**
- **Research Paper**
- **Participation**

P.   **DETAILED COURSE OUTLINE:**

I.   **HISTORICAL CONTEXT OF INCIDENT MANAGEMENT**
A.   **Incident management operations at the local level**
B.   **How incidents are managed at the state level**
C.   **Tribal organizations and structures involved in incident management**
D.   **Incident management role of the Federal Government.**
E.   **Role of the private sector, Voluntary Organizations Active in Disasters (VOADs),**
        Nongovernmental organizations (NGOs), and other service providers.
II. **NATIONAL RESPONSE FRAMEWORK**
A.   **National Incident Management System (NIMS)**
B.   **Emergency Support Functions**
C.   **Support Annexes**
III. **NATIONAL INCIDENT MANAGEMENT SYSTEM (NIMS)**
A.   **Incident Command System (ICS).**
B.   **Emergency Operations Centers**
C.   **Resource Typing**

D.   Inventorying
E.   Mutual Aid
F.   National Qualification System
IV.   **INCIDENT COMMAND SYSTEM (ICS)**
A.   Incident Command System (ICS).
B.   Basic Features that Exist in the Incident Command System.
C.   Functions and Roles of Command ICS Staff.
D.   Functions and Roles of General ICS Staff.
E.   Six Basic ICS Facility Types.
V.   **BASIC ICS FOR INITIAL RESPONSE**
A.   Positive and negative attributes of the incident command system.
B.   Limitations of incident command systems and obstacles to effective implementation of incident command.
C.   Focus on use of ICS at incident scenes
VI.   **NIMS COORDINATION**
A.   Multi-Agency Coordination (MAC) Groups
B.   Emergency Operations Centers (EOC)
C.   Joint Information System (JIS)
D.   Incident Management Assistance Teams (IMAT)
VII.   **NIMS RESOURCE MANAGEMENT AND CREDENTIALING**
A.   FEMA doctrine for resource typing and management
B.   Position specific credentialing for incident command and management staff
VIII. **APPLIED NIMS**
A.   Case studies
B.   Analysis of past incidents

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