

College of San Mateo
Official Course Outline

1. **COURSE ID:** CIS 481 **TITLE:** Enterprise Emergency Response Planning

Units: 3.0 units **Hours/Semester:** 48.0-54.0 Lecture hours; and 96.0-108.0 Homework hours

Method of Grading: Grade Option (Letter Grade or Pass/No Pass)

Recommended Preparation:

Eligibility for ENGL 838 or ENGL 848 or ESL 400.
CIS 110

2. **COURSE DESIGNATION:**

Degree Credit

Transfer credit: CSU

3. **COURSE DESCRIPTIONS:**

Catalog Description:

An exploration of how to plan for emergency response, recover from a disaster and how to mitigate risks. System Administrators, IT managers and Analysts would benefit from this course, as well as Technologists wanting to broaden their expertise.

4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**

Upon successful completion of this course, a student will meet the following outcomes:

1. Create and refine emergency response plan for responding and recovering from disasters.
2. Implement strategies for managing risks associated with networks, databases, applications and storage systems.

5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**

Upon successful completion of this course, a student will be able to:

1. Interpret and report common abnormal occurrences in networks, databases, applications and storage systems
2. Develop recovery steps for each of the most likely emergencies
3. Outline and document expected outcomes for each set of emergency procedures
4. Document exceptions where 100% recovery isn't possible and explain cause and workarounds
5. Implement strategies for managing risks associated with networks, databases, applications and storage systems
6. Outline a framework for identifying, assessing and prioritizing risks
7. Apply resources to minimize, monitor and control the probability of risk occurrence

6. **COURSE CONTENT:**

Lecture Content:

A. Create a plan for emergency response for enterprises to recover from disasters.

1. Interpret and report common abnormal occurrences in networks, databases, applications and storage systems.
2. Develop recovery steps for each of the most likely emergencies.
3. Outline and document expected outcomes for each set of emergency procedures.
4. Document exceptions where 100% recovery isn't possible and explain cause and workarounds.

B. Implement strategies for managing risks associated with networks, databases, applications and storage systems.

1. Outline a framework for identifying, assessing and prioritizing risks.
2. Apply resources to minimize, monitor and control the probability of risk occurrence.

7. **REPRESENTATIVE METHODS OF INSTRUCTION:**

Typical methods of instruction may include:

- A. Lecture
- B. Activity
- C. Discussion
- D. Observation and Demonstration
- E. Other (Specify): Class group problem solving. Student participation in short in-class projects.

8. REPRESENTATIVE ASSIGNMENTS

Representative assignments in this course may include, but are not limited to the following:

Writing Assignments:

Students will be assigned weekly homework problems from the required textbook. Students will create and deliver presentations.

Reading Assignments:

Students will read some chapters from the required text and online articles.

Other Outside Assignments:

Collaborative projects
Internet research

9. REPRESENTATIVE METHODS OF EVALUATION

Representative methods of evaluation may include:

- A. Class Participation
- B. Class Performance
- C. Class Work
- D. Exams/Tests
- E. Group Projects
- F. Homework
- G. Projects
- H. Quizzes
- I. Research Projects

10. REPRESENTATIVE TEXT(S):

Possible textbooks include:

- A. Haddow, George. *Introduction to Emergency Management*, 5 ed. Butterworth-Heinemann, 2013
- B. Donaldson, Scott. *Enterprise Cybersecurity: How to Build a Successful Cyberdefense Program Against Advanced Threats*, 1 ed. Apress, 2015

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Course Originator: Kamran Eftekhari