



Threat Management and Disaster Recovery

Credit Hours: 4

Term Year Spring 2008

CSC 570 H Online

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Course Description

Recent world events have brought to the forefront the challenge to discover situations that may threaten an organization's future, and to prepare for the eventuality of computer system disruptions. Today's threats require the creation of an on-going process to access and deal with Risks and Threats and plan for the protection or replacement of computer system assets. This course will examine the overall risk assessment methodologies to identify risks and the decision process involved in choosing to avoid, transfer, mitigate, or accept those risks to computer systems. Of course all risks cannot be reduced to zero, so it important that an organization have a plan to deal with the inevitable minor disruptions and the rare major disasters that might occur. That is where a comprehensive process described as threat management, contingency planning, and disaster recovery is important. The course will examine the various techniques and tools to maximize the likelihood of continued business operation in the case of either a minor computer system disruption or a major disaster.

Course Materials

Among the resources to be used will be the NIST publications:

NIST SP 800-30 Risk Management

NIST SP 800 34 Contingency Planning

PowerPoints and other materials as assigned.

Reasonable accommodations are available for students who have a documented disability. Please notify the instructor during the first week of class of any accommodations needed for the course. Late notification may cause the requested accommodations to be unavailable. All accommodations must be approved through the Office of Disability Services (ODS) in the Human Resources Building (HRB), Room 80, 217-206-6666.

Grading

ITEM	WEIGHT
Student Discussion Forum	10%
Quizzes	25%
Mid Term Exam or Project	25%
Final Project	40%

Delivery Method

Online

Course Calendar or Schedule

Week	Topic	Assignment
1	Risk/Threat Management Overview	NIST SP 800-30 Chapter 2
2-3	Assessment	NIST SP 800-30 Chapter 3
4	Mitigation	NIST SP 800-30 Chapter 4
5	Evaluation and Assessment	NIST SP 800-30 Chapter 5
6	Sample Assessments	NIST SP 800-30 Appendix A and B
7	Disaster Recovery Overview	NIST SP 800-34 Chapter 2
8-9	IT Contingency Planning Process	NIST SP 800-34 Chapter 3
10	Plan Development	NIST SP 800-34 Chapter 4
11-12	Technical Contingency Planning	NIST SP 800-34 Chapter 5
13	Samples	NIST SP 800-34 Appendix A and B
14	Other Topics	TBD