DEPARTMENT: Computer Support Technology    COURSE NO: CST 2500
COURSE TITLE: Incident Response and Disaster Recovery    CREDITS: 3

CATALOG DESCRIPTION –
This course will introduce the student to the complexities involved in responding to intrusions and threats to their information systems structure. The student will prepare portions of a disaster recovery plan for information systems and test the plan in a lab environment. The student will learn the importance of planning for a disaster, what to do during a disaster, when to escalate an incident to a disaster and who needs to be involved in the planning, implementation and recovery.

AUDIENCE
This course is for students and professionals that are responsible for the security of information in their organization, including computer technicians, Information Systems managers and support staff.

FULFILLS MN TRANSFER CURRICULUM AREA(S): Does not apply

PREREQUISITES OR NECESSARY SKILLS/KNOWLEDGE: It is required that the student successfully completes the following courses or have the equivalent knowledge or skills: CST 1250 – Information Security Administration

LENGTH OF COURSE: 2 lecture hours and 2 lab hours per week for 16 weeks or the equivalent if delivered via distance learning.

THIS COURSE IS USUALLY OFFERED:
Every other year ☐  Fall ☐  Spring X  Summer ☐  Undetermined ☐

Four goals are emphasized in courses at Minnesota West Community and Technical College:

1. ACADEMIC CONTENT: The student will achieve the knowledge and skill needed in the area of Information Security Administration.
2. THINKING SKILLS: The student will have an understanding of the rational, theory and components of Information Security.
3. COMMUNICATION SKILLS: The student will begin to demonstrate appropriate communication techniques in working with the internet and fellow students to complete assignments.
4. HUMAN DIVERSITY – The student will gain self-awareness regarding their feelings towards people of different cultures, value systems and economic status.
Topics to be covered:
1. The steps of disaster recovery planning
2. Assessing risks
3. Prioritizing business functions
4. Responding to attacks
5. Testing recovery plans
6. Surviving a disaster

LIST OF EXPECTED COURSE OUTCOMES:
1. Identify team member for incident response/disaster planning
2. Describe the principles of incident/disaster planning
3. Understand the role of IT and network management in preparing for a disaster.
4. Create an inventory of recovery team skills
5. Identify budget issues
6. Collect risk assessment data
7. Inventory and document business processes
8. Identify and categorize risks
9. Determine Critical business activities
10. Prioritize critical business functions
11. Develop disaster recovery plans
12. Identify disaster recovery team members and job function
13. Identify outside entities to be worked with in a disaster
14. Develop procedures for information systems recovery
15. Develop an incident response team
16. Develop escalation procedures
17. Document incidents and disasters
18. Develop an incident response disaster recovery training program
19. Identify ongoing incident response disaster recovery management
20. Understand the residual effects of a disaster

LEARNING/TEACHING TECHNIQUES used in the course are:
X Collaborative Learning   X Student presentations
X Creative Projects        X Lecture
X Problem Solving          X Interactive Lectures
X Individual Coaching      X Films/Videos/Slides
X Demonstration            X Labs

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
X Reading   X Tests   X Individual Projects
X Oral Presentations  X Worksheets   X Collaborative Projects
X Textbook Problems  X Papers    ☐ Portfolios
X Group Problems    ☐ Term Papers  X Performance Exams
X Other

The information in this course outline is subject to revision

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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