DEPARTMENT: Computer Support Technology       COURSE NO: CST 1180
COURSE TITLE: Data Security Awareness       CREDITS: 1

CATALOG DESCRIPTION

This course will introduce the student to the need for information security, including the ethical, legal and professional security issues. The student will develop an awareness of they types of attacks on data, who would perform such attacks and how to defend against data loss. The student will learn how to protect their home and office computer from misuse and viruses. The student will also be presented with corporate security strategies, including policies, incident response and disaster recovery.

AUDIENCE
This course is for students and professionals that work with computers, including accountants, business managers, administrators, health care workers, sales people and support staff.

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

PREREQUISITES OR NECESSARY SKILLS/KNOWLEDGE: None

LENGTH OF COURSE: 1 lecture hours per week for 16 weeks or the equivalent if delivered via distance learning.

THIS COURSE IS USUALLY OFFERED:
Every other year ☐ Fall X 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.
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 socioeconomic status.

Topics to be covered:
1. The need to secure our information
2. Potential risks and how can we control them
3. Personal computer security
4. Corporate Security policies and information recovery
LIST OF EXPECTED COURSE OUTCOMES:
1. Define Information Security
2. Describe the need for information Security
3. Identify security threats
4. install and configure security elements on personal computers
5. Identify security risk from the internet
6. Identify the elements of a secure network environment

LEARNING/TEACHING TECHNIQUES used in the course are:

- Collaborative Learning
- Creative Projects
- Problem Solving
- Individual Coaching
- Demonstration
- Student presentations
- Lecture
- Interactive Lectures
- Films/Videos/Slides
- Labs

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- Reading
- Oral Presentations
- Textbook Problems
- Group Problems
- Other
- Tests
- Worksheets
- Papers
- Term Papers
- Individual Projects
- Collaborative Projects
- Portfolios
- Performance Exams

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.

A Member of the Minnesota State Colleges and Universities System
An Affirmative Action Equal Opportunity Educator/Employer