DEPARTMENT: Computer Support Technology  COURSE NO: CST 2900
COURSE TITLE: Computer Technology Capstone  CREDITS: 2

CATALOG DESCRIPTION  Serves as the Capstone for the Computer Technology Program. Designed to integrate all prior learning and includes studying for and taking the appropriate assessments as determined by the computer division and advisory committees. Students will complete a technology project that can include on the job training, a technology project or technology research. Prerequisite: CST 1500.

AUDIENCE – This course will be completed by students in their last semester of study in the Computer Technology programs at Minnesota West

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:  
CST – 1500 ROUTERS AND SWITCHES

LENGTH OF COURSE: 2 lecture 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 demonstrate the knowledge they have learned during their studies in the computer technology programs at Minnesota West.
  2. THINKING SKILLS: The student will have an understanding of the rational, theory and components of Information Technology.
  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. Networking concepts
  2. Computer Repair concepts
  3. Information Security concepts
  4. Technology as a career

LIST OF EXPECTED COURSE OUTCOMES:
  1. Demonstrate knowledge of Networking concepts
  2. Demonstrate knowledge of computer repair concepts
3. Demonstrate knowledge of Information security concepts
4. Demonstrate knowledge of Information technology careers

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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