Faculty is required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. CST COURSE NUMBER: 1115

NUMBER OF CREDITS: 1

COURSE TITLE: Desktop Virtualization

CATALOG DESCRIPTION: VIRTUAL desktop computing offers students as well as professionals the background in virtualization technology needed to advance in today’s technology workplace. It provides an overview of virtualization technology with the latest virtualization products: focus is on using virtualization software in the desktop environment. The student will install and configure virtual operating system software in addition to loading operating systems in a virtual environment. The information presented in this course will be used in most other courses in the Computer Technology programs at the college.

AUDIENCE: This course is for students and computer professionals

FULFILLS MN TRANSFER CURRICULUM AREA(S): (Leave blank if not applicable)

PREREQUISITES OR NECESSARY ENTRY 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 course at Minnesota West Community & 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:

- Virtualization software definition and types
- Uses of Virtualization software

LIST OF EXPECTED COURSE OUTCOMES:

- Install and configure virtual desktop software
- Configure virtual hardware through the virtual software application
- Install operating systems within the virtual desktop environment.
- Describe the uses for virtual desktops

LEARNING/TEACHING TECHNIQUES used in the course are:

- Collaborative Learning
- Student Presentations
- Creative Projects
- Lecture
- Demonstrations
- Lab
- Problem Solving
- Interactive Lectures
- Individual Coaching
- Films/Videos/Slides
- Other (describe below)

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- Reading
- Oral Presentations
- Textbook Problems
- Group Problems
- Other (describe below)
- Tests
- Worksheets
- Papers
- Term Paper
- Individual Projects
- Collaborative Projects
- Portfolio

EXPECTED STUDENT LEARNING OUTCOMES:

**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.

The information in this course outline is subject to revision.

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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.