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: 2108

NUMBER OF CREDITS: 3

COURSE TITLE: Structured Communication Systems

COURSE DESCRIPTION: Covers structured communication systems (SCS) Students will gain practical experience in implementing many concepts in SCS by installing and terminating various cabling types, configuring voice/data and fire/alarm systems, and other equipment. The student will be able to install various SCS; select and operate the appropriate test equipment to perform test procedures perform routine maintenance; perform minor troubleshooting procedures and repairs; identify and describe industry standards, protocols and safety procedures relating to structured communication systems.

AUDIENCE: open

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

Area: by meeting the following competencies:
Area: by meeting the following competencies:
Area: by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: N/A

LENGTH OF COURSE One Semester

THIS COURSE IS USUALLY OFFERED:
Every other year ☐ fall ☐ spring ☒ summer ☐ undetermined ☐

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT: The academic objectives of this course are:
   a. The student will achieve the advance level of knowledge and skill needed maintain structured communication systems

2) THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
   a. The student will need to use critical thinking skills to develop and implement structured communication systems.
3) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:
   a. The student will begin to demonstrate appropriate communication techniques in working with fellow students to complete assignments.

4) HUMAN DIVERSITY: This course will help students recognize, understand, and appreciate human diversity through:
   a. The student will gain self awareness regarding their feelings toward people of different cultures, value systems and socioeconomic status.


LIST OF EXPECTED COURSE OUTCOMES:
1. Identify various cable types and terminations.
2. Configure voice/data systems
3. Describe real-world structured communications implementations
4. Identify cable qualities from test results and cable specifications
5. Install various SCS
6. Select and operate the appropriate test equipment to perform test procedures
7. Perform routine maintenance
8. Perform minor troubleshooting procedures and repairs
9. Identify and describe industry standards, protocols and safety procedures relating to structured communication systems

LEARNING/TEACHING TECHNIQUES used in the course are:
- Collaborative Learning
- Problem Solving
- Student Presentations
- Interactive Lectures
- Creative Projects
- Individual Coaching
- Lecture
- Films/Videos/Slides
- Demonstrations
- Other (describe below)
- Lab
- Lecture
- Films/Videos/Slides
- Demonstrations
- Other (describe below)

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
- Reading
- Tests
- Individual Projects
- Oral Presentations
- Worksheets
- Collaborative Projects
- Textbook Problems
- Papers
- Portfolio
- Group Problems
- Term Paper
- Other (describe below)

EXPECTED STUDENT LEARNING OUTCOMES:
1. Ability to communicate well, including but not limited to, the use of technology.
2. Ability to work independently or as a member of a team.
3. Ability to solve problems and make decisions.
4. Display of professional attitude and behavior.
5. Awareness and empathy with diversity in the workplace.

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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