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. Industrial Technology COURSE NUMBER: CMAE 1514

NUMBER OF CREDITS: 2 Credits (2 lecture)

COURSE TITLE: Safety Awareness

CATALOG DESCRIPTION:
Introduces OSHA standards relating to PPE, Hazard Communication, tool safety, confined spaces, electrical safety, emergency response, lockout/tagout, and others. This course is designed to align with the National Skills assessment and certification system for Maintenance Awareness. The course curriculum is based upon federally-endorsed national standards for production workers.

AUDIENCE:

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:

LENGTH OF COURSE: 2 credits (2 lecture)

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: This course will help students achieve basic knowledge of:
   a. Safe and productive workplaces
   b. Training requirements
   c. Health and Safety requirements

2) THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
   a. Completing homework (reading, reports, and worksheets)
   b. Participating in classroom discussions
   c. Taking open and closed book quizzes and tests
d. Complete assigned lab projects

3) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:
   a. Participating in class discussions and reports
   b. Participating in assignments, worksheets, and reports

4) HUMAN DIVERSITY: This course will help students recognize, understand, and appreciate human diversity through:
   a. Participating in classroom discussions
   b. Working with other students on labs
   c. Working with students from other cultures

TOPICS TO BE COVERED:
1. Safe and productive workplace
2. Safety inspections
3. Safe and unsafe conditions
4. Corrective action
5. Safety orientation
6. Training
7. Safety and health requirements

LIST OF EXPECTED COURSE OUTCOMES:
1. Explain characteristics of working in a safe and productive manufacturing workplace.
2. Describe process for performing safety and environmental assessments
3. Identify procedures related to performing emergency drills and participating on emergency teams.
4. Identify potential unsafe conditions and corrective actions.
5. Discuss safety training for manufacturing employees.
6. Explain proper safe use of equipment.
7. Describe processes and procedures that support safety in a work environment.
8. Summarize safety and health requirements for maintenance, installation, and repair.
10. Recognize effective, safety-enhancing workplace practices.

LEARNING/TEACHING TECHNIQUES used in the course are:
☑ Collaborative Learning       ☑ Problem Solving
☐ Student Presentations       ☑ Interactive Lectures
☐ Creative Projects           ☑ Individual Coaching
ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- Lecture
- Films/Videos/Slides
- Demonstrations
- Other (describe below)
- Lab

EXPECTED STUDENT LEARNING OUTCOMES:

1. Demonstrate an understanding of safety requirements in an industrial environment.
2. Identify safe and unsafe conditions and apply corrective actions to resolve unsafe conditions.
3. Apply effective, safety-enhancing workplace practices.

The information in this course outline is subject to revision.

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 via your preferred Telecommunications Relay Service.

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7/30/13