

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. CMAE

COURSE NUMBER: 1522

NUMBER OF CREDITS: 2

Lecture: 2 Lab: 0 OJT 0

Course Title:
Quality Practices

Catalog Description:
Quality Practices introduces quality management systems and its components. 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.

Prerequisites or Necessary Entry Skills/Knowledge:
None

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

Goal 1: Communication: ____ by meeting the following competencies:

Goal 2: Critical Thinking: ____ by meeting the following competencies:

Goal 3: Natural Sciences: ____ by meeting the following competencies:

Goal 4: Mathematics/Logical Reasoning: ____ by meeting the following competencies:

Goal 5: History and the Social and Behavioral Sciences: ____ by meeting the following competencies:

Goal 6: The Humanities and Fine Arts: ____ by meeting the following competencies:

Goal 7: Human Diversity: ____ by meeting the following competencies:

Goal 8: Global Perspective: ____ by meeting the following competencies:

Goal 9: Ethical and Civic Responsibility: ____ by meeting the following competencies:

Goal 10: People and the Environment: ____ by meeting the following competencies:

Topics to be Covered
Quality management systems
Internal audit of processes
Continuous improvement
Material inspection
Corrective actions and preventive actions
Metrics
Control of non-conforming product

Student Learning Outcomes

Explain the basics of quality management systems.

Demonstrate testing and measuring for data collection.

Apply process control for quality assurance.

Apply key principles of continuous improvement.

Communicate quality problems.

Participate in internal audit activities.

Document test results and corrective actions to restore or maintain quality.

Is this course part of a transfer pathway: Yes No

**If yes, please list the competencies below*

Revised Date: 1/2022