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