



South Central College

CMAE 1518 Manufacturing Process and Production

Course Outcome Summary

Course Information

Description This course is designed to align with the National Skill Standard assessment and certification system for Manufacturing Processes. The course curriculum is based on federally-endorsed national standards for production workers. The course emphasizes Just-In-Time manufacturing principles, basic supply chain management, communication skills, and customer service. (Prerequisites: None)

Total Credits 2

Discuss the process to check tools and equipment against work orders.
Explain how to communicate production discrepancies.
Describe placement of necessary resources at the workstation.
Recognize the importance of scheduling workers with appropriate skills according to production needs.

3. Identify set-up and verification of equipment for the production process.

Learning Objectives

Explain aspects of proper repair and adjustment to production equipment prior to putting into service.
Describe set-up meeting process requirements, product, and equipment specifications.
Identify first piece or production run meeting specifications.
Select appropriate documentation of set-up procedures to enhance repeatability.
Discuss ergonomic and other relevant health, safety, and environmental standards.

4. Describe the

Describe process in regards to labeling products appropriate for compliance and non-compliance.

10. Explain the process of preparing the final product for shipping or distribution.

Learning Objectives

Identify procedure to ensure packaging materials meet packaging and shipping specifications, including appropriate labeling and safety requirements.

Discuss completion of documentation for packaging and shipping.

Explain why it is important to communicate product availability to the proper parties in a timely manner.

Explain checking of quantity, destination, and packaging instructions of product against the work order.

Identify correct storage or staging procedure for shipping.

Explain laws and regulations in regard to labeling, packaging, and transporting of product.

Identify material handling procedures to prevent product damage.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

andCenter

and