

**JAMESTOWN COMMUNITY COLLEGE**  
**State University of New York**

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**INSTITUTIONAL COURSE SYLLABUS**

**Course Title:** Production Processes & Maintenance Awareness

**Course Abbreviation and Number:** MCT 1320

**Credit Hours:** 2

**Course Type:** Lecture

**Course Description:** Students will learn the basics of production processes and the operational maintenance operations within typical industrial settings. This course will cover knowledge needed to successfully complete a national certification test on production and maintenance offered through the Manufacturing Skills Standards Council (MSSC).

No requisites.

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**Student Learning Outcomes:**

Students who demonstrate understanding can:

1. Identify production systems and processes.
2. Explain the concepts of preventative maintenance.

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**Topics Covered:**

- Subtractive production methods
- Additive production methods
- Production controls
- Properties of materials
- Fluids used in production equipment
- Adhesives
- Preventative maintenance practices
- Mechanical power transmission

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**Information for Students**

- Expectations of Students
  - [Civility Statement](#)
  - [Student Responsibility Statement](#)
  - [Academic Integrity Statement](#)

- [Accessibility Services](#)

Students who require accommodations to complete the requirements and expectations of this course because of a disability must make their accommodation requests to the Accessibility Services Coordinator.

- [Get Help: JCC & Community Resources](#)
- [Emergency Closing Procedures](#)

- Course grade is determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

|       |        |     |        |     |        |     |     |
|-------|--------|-----|--------|-----|--------|-----|-----|
| A=4.0 | B+=3.5 | B=3 | C+=2.5 | C=2 | D+=1.5 | D=1 | F=0 |
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- Veterans and active duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.

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**Effective Date:** Fall 2023