

Course Number MTT
MET 174

WASHTENAW COMMUNITY COLLEGE
COURSE SYLLABUS

Department: Mechanical Engineering Technology

New Course ☒

Course Number: MTT
MET 174

Existing Course ☐

Course Title: CoOp Mechanical Engineering Technology

Credit Hours: 1-3 (variable)

Prerequisites: Successful completion of first semester MET courses and faculty approval.

Corequisites: _____

Catalog Course Description: In this course, the student gains skills from a new experience in an approved, compensated, industry related position. Together with the instructor and employer, the student sets up work assignments and learning objectives to connect classroom learning with career-related work experience.

(Please numbers in the appropriate boxes)

Contact Hours per week in a lecture/recitation setting

☐

Contact Hours per week in a laboratory setting

☐

Contact Hours per week in a clinical setting

☐

Contact Hours per week in a work setting

☒

Total Contact Hours (per semester): min. 120 hours/1 credit - max. 360 hours/3 credits

Course Justification: (Check all that apply.)

☒ program specialty

☐ college transfer

☐ support course

☐ division core

☐ industry training

☐ personal development

☐ core curriculum

Prepared By _____
(Faculty Member)

Date _____

Reviewed By _____
(Department Chair for Department)

Date _____

Approved By R.R. Burton
(Dean)

Date 1/12/94

MAJOR INSTRUCTIONAL UNITS: A Major instructional unit is a grouping of topics which naturally relate to one another.

(List, in order, the major instructional units)

1. COOP Work Experience
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.

COURSE OBJECTIVES: Use student outcome based language and format. (Ex: The student will define and state the cause of the six major respiratory diseases.)

(Use one page for each instructional unit).

Major Instructional Unit# 1 Heading:

Objective #1: The student with the instructor and employer will complete a Cooperative Education Work Agreement which will include hours of work, location, rate of pay and specific assignments.

Objective #2: Using the Student Learning Objectives Form, the student with the instructor and employer will complete a learning plan for the semester. This plan will include a minimum of three learning objectives and criteria for evaluation specific to the students work experience.

Objective #3: Using the Student Report on Cooperative Work Experience Form, the student will write a final report on the COOP experience containing the following items:

- * A description of the assignment
- * A summary of skills and abilities used on the job
- * Ways in which coursework was integrated into job tasks
- * An assessment of how well the objectives established at the beginning of the assignment were achieved.
- * Other reactions to and/or impressions of the experience.

Objective #4:

Objective #5:

Objective #6:

Objective #7:

(Add additional pages if necessary)

INSTRUCTIONAL METHODS: (Check the appropriate boxes and describe as needed.)

- | | | |
|-------------------------------------|--------------------------------------|---|
| ☐ Lecture | ☐ Seminar | ☐ Laboratory |
| ☐ Clinical | ☐ Telecourse | ☒ On-Site Work Experience |
| ☐ Self-Paced | ☐ Other _____ | |

EVALUATION CRITERIA: (Check the appropriate boxes and describe as needed).

- | | |
|--|---|
| ☒ Attendance _____ | ☐ Quizzes _____ |
| ☐ Class Discussion _____ | ☐ Tests _____ |
| ☐ Papers _____ | ☐ Midterm _____ |
| ☐ Portfolio _____ | ☐ Final Exam _____ |
| ☒ Project _____ | ☐ Independent Study _____ |
| ☒ Reports _____ | ☐ Other (Audition, etc.) _____ |
| ☒ Work Performance _____ | |

ATTENDANCE REQUIREMENTS: (For Certification or nonevaluative purposes).

SPECIAL EQUIPMENT/FACILITY AND ACTIVITY REQUIREMENTS: (Check the appropriate boxes and describe as needed).

- | | |
|--|---|
| ☐ Lab equipment | ☐ Testing in Testing Center |
| ☐ LRC Reserves | ☐ Student Regional Competitions |
| ☐ Computers | ☐ Off Campus Sites |
| ☐ Field Trips | ☒ Other Faculty site visits _____ |

(Attach an additional page if necessary).

PRIMARY TEXT: (Disregard if text is not used).

Title:
Author:
Publisher:

Copyright Yr:
Est. Cost:

(Attach an additional page if more than one primary text is used).

SUPPLEMENTAL TEXTS OR COURSE PACKS:

1. Title: _____
 Author: _____ Copyright Yr: _____
 Publisher: _____ Est. Cost: _____
2. Title: _____
 Author: _____ Copyright Yr: _____
 Publisher: _____ Est. Cost: _____

(Attach another page if necessary).

SUPPLIES AND/OR UNIFORMS STUDENT WILL HAVE TO OWN OR ACQUIRE FOR COURSE SUCH AS: calculators, uniforms, tools, and software, etc. (Other than pen, pencil, paper, or textbook(s)).

Descriptions	Cost Estimates
_____	_____
_____	_____
_____	_____

REFERENCE MATERIALS STUDENTS WILL BE REFERRED TO SUCH AS: journals, books, manuals, maps, etc.

AUDIO/VISUAL AND COMPUTER MATERIALS TO BE USED SUCH AS: films, video tapes, slides, audio tapes, software, etc.

Title	Source
_____	_____
_____	_____
_____	_____
_____	_____

**WASHTENAW COMMUNITY COLLEGE
COURSE HANDOUT**

The following information compatible with the Official Course Syllabus must be distributed to students at the first meeting of each course:

1. Course name:
2. Course number:
3. Course description:
4. A list of course objectives by unit:
5. Required text(s) and/or course packs:
6. Criteria for evaluation:
7. Requirements (Attendance, Special, or Other):
8. Hours/week required out-of-class:
9. Additional Information:
10. A schedule of class meeting dates with topics and assignments:

Each Instructor teaching this course should attach a copy of their "Student Handout Sheet" to this document.