
MECH 4397: Mechanical Engineering Practicum (1-3 Credits)

COURSE DESCRIPTION:

Preparation for professional practice through experiential learning under the supervision of an experienced engineer, with oversight by a member of the department's faculty. Regular reporting throughout the course will be required. Course can be repeated multiple times. An aggregation of three (3) credits earned for this course will satisfy a MECH ELEC degree requirement. Cannot be taken concurrently with ENGR 4001. PREREQUISITE: Departmental approval.

COURSE INSTRUCTORS:

Herff College of Engineering Co-op/Internship Coordinator
Mechanical Engineering Faculty member

COURSE INFORMATION: Classes will be Remote Synchronous

VARIABLE CREDIT EXPECTATIONS:

- If the student is working between 1-20 hours per week for the duration of the semester, the student can take the course for 1 credit (for parallel internships: student is full time taking classes and working part-time).
- If the student is working between 21-34 hours per week for the duration of the semester, the student may take the course for 2 credits (for parallel internships: student is taking classes part time and working part-time)
- If the student is working > 34 hours per week for the duration of the semester, the student can take course for 3 credits (reserved for full-time CO-OP Students)

GRADE COMPONENTS: The overall course grade will be computed using the following components and weights.

Grade Components and Weighting		Grading Scale
1 st Class Meeting Attendance	5%	A 90 - 100
Employer CLO Form.....	5%	B 80 - 89
Learning Outcome Presentation...	10%	
Weekly Journal.....	20%	C 70 - 79
Final Presentations.....	20%	D 60 - 69
<u>Employer Evaluations.....</u>	<u>40%</u>	F Below 60
Total	100%	

Learning Outcome Presentation:

Student will give a Course Learning Outcomes (CLO) Presentation at the beginning of the term with presentation time limits as follows:

- 1 credit hour: 3-4 minutes
- 2 credit hours: 4-5 minutes
- 3 credit hours: 5-6 minutes

Final Presentation:

Student will give a Course Learning Outcomes (CLO) Presentation at the beginning of the term with presentation time limits as follows:

- 1 credit hour: 5-6 minutes
- 2 credit hours: 6-8 minutes
- 3 credit hours: 8-10 minutes

Weekly Journal:

Students are required to maintain a journal during their work experience which details their weekly efforts. The effort reflected in the journal entries should be commensurate with the weekly variable credit effort expectations and meet the minimum word count expectations below.

- 1 credit hour: minimum of 150 words per weekly entry
- 2 credit hours: minimum of 250 words per weekly entry
- 3 credit hours: minimum of 350 words per weekly entry

ACADEMIC INTEGRITY

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly, through participation or assistance, are immediately responsible to the instructor of the class in addition to other possible disciplinary sanctions that may be imposed through the regular institutional disciplinary procedures. Expectations for academic integrity and student conduct are described in detail on the website of the Office of Student Accountability (<https://www.memphis.edu/osa/>).

STUDENTS WITH DISABILITIES

Qualified students with disabilities will be provided reasonable and necessary academic accommodations if determined eligible by disability services staff at the University of Memphis. Prior to granting disability accommodations in this course, the instructor must receive written verification of a student's eligibility for specific accommodations from the disability services staff. It is the student's responsibility to initiate contact with Disability Resources for Students (DRS) and to follow the established procedures for having the accommodation notice sent to the instructor.

SYLLABUS CHANGES

The instructor and the undergraduate program coordinator reserve the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor and the undergraduate program coordinator will notify students of such changes by email communication and/or posting both notification and nature of change(s) on the course bulletin board.