**TECH 4940/ENGR 4001: ENGINEERING TECHNOLOGY PRACTICUM**

**Course Instructors:**

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**Course Information:** Fridays (5:30 – 7:30 PM) via Zoom video conference

**Grades:** Your final grade will be computed using the following components and weights.

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| --- | --- | --- | --- | --- |
| **Grade Components and Weighting** |  | **Due Dates** | **Grading Scale** | |
| First Class Attendance | 5% | January 26th | A…… | 90 - 100 |
| Learning Outcome Presentation… | 5% | February 2nd | A…… | 90 - 100 |
| Employer Description/CLOs……. | 10% | February 2nd | B……. | 80 - 89 |
| Employer Midterm Evaluation | 20% | March 15th | C……. | 70 – 79 |
| Weekly Journal……………………. | 20% | April 19th | D……. | 60 – 69 |
| Final Presentations………………… | 20% | April 19th | F…….. | Below 60 |
| Employer Final Evaluation Evaluation…………….. | 20% | April 19th |  |  |
| Total Possible | 100% |  |  |  |

The instructors reserve the right to make changes to the grading system and the syllabus as appropriate during the semester. Any student who anticipates physical or academic barriers based on the impact of a disability is encouraged to speak privately with the instructor. Students with disabilities should also contact Disability Resources for Students (DRS) at 110 Wilder Tower, 901-678-2880. DRS coordinates access and accommodations for students with disabilities

**Course Description:**

An internship is an integral part of engineering education. It provides real world experience in the profession; enables correlation of classroom learning with its application in industry; broadens understanding of the types of employment available in the field; help students discover their individual interests; builds resume credentials for the students; and develops relationships between University of Memphis and Industrial Firms. The engineering technology practicum requires the student to prepare for professional practice through experiential learning under the supervision of an experienced engineer or other appropriate professional, with oversight by a member of the department’s faculty. Students must work a minimum of 10 hours and no more than 20 hours per week during academic semester. Regular reporting which describes the student’s experiences is required to document achievement of the course learning outcome(s). As a result of the internship, the student will 1) Develop practical engineering skills and judgment, 2) Communicate effectively, 3) Discover their own interests within the field of engineering technology, and 4) Build resume credentials to help them compete for full time positions upon graduation.

**Reporting:**

Students are required to maintain a weekly journal during their internship experience which will be submitted at the end of the semester. Students will be required to give two presentations during the semester. Students should be dressed appropriately for both presentations. Rubrics with additional details regarding journals and presentations will be provided. All assignments should be submitted as instructed by the deadlines indicated above. Late submissions will be assessed a 2-point penalty from the overall course grade.

Learning Outcome Presentation:

* 3 credit hours: 5-6 minutes

**Final Presentation:**

* 3 credit hours: 8-10 minutes

**Weekly Journal:**

* 3 credit hours: minimum of 350 words per weekly entry