UTTyler ENGINEERING

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MENG 4170 – Technical Undergraduate Internship
Course Syllabus

Semester / Year	Fall / 2023
Catalog Description	This course provides the opportunity for students to pursue enrichment and experiential learning in mechanical engineering outside the classroom, at a level appropriate for undergraduates. A minimum of 150 work hours are required during the internship experience under the supervision of a mentoring engineer at the workplace simultaneously with an advisor from the department of mechanical engineering. A written advisor evaluation and a technical report are required at the conclusion of the internship. A typical recommended setup to maximize benefit from such experience is for the student to be immersed in an engineering role within an engineering firm. Other experience can be accepted if approved by the advisor and the department.
Prerequisites	C grade or better in the following: MENG/CENG 3306 – Mechanics of Materials, ENGR 2302 – Dynamics, MATH 3305 and Consent of the department chair, or instructor of record.
Section number	TBD
Instructor name	TBD
Contact info	TBD
Class Type / Location	Practicum
Class Time	One semester meeting on a date TBD
Office Hours	TBD
Credits	1
Required Textbook	TBD
Optional References	TBD
Additional requirements	Students are required to strictly follow the internship policy and guidelines as provided by the department.
Evaluation Method	Faculty advisor communicates with supervisor including a possible visit to the workplace, reports and forms to be filled, and satisfactory performance at the job Faculty evaluation (Form 3) 20 % Student evaluation (Form 4) 20 % Supervisor evaluation (Form 6) 20 % Final Report (Form 7) 30 % Faculty overall evaluation 10%
Grading Policy / Scale	=> 70 CR, < 70 NC
Important events / dates	Census date Report date

Attendance / Makeup policy	No makeup
Course Learning Objectives / ABET & PEOs relation	A student who has successfully completed this course should be able to: 1. Describe the general structure and operation of typical engineering organization, as well as related business, economic, and professional constraints. 2. Describe the societal and ethical responsibility of an engineering operation or producer as well as their influence on environment and the profession. 3. Demonstrate an ability to function as an engineer in an industrial and professional environment. 4. Communicate engineering related material effectively in an engineering workplace environment and with outsiders. 5. Utilize skills, practices, and modern tools used in modern engineering organizations.
Tentative Topics	N/A
University Policies	https://www.uttyler.edu/academic-affairs/files/syllabus_information_2021.pdf