



MENG 5396 – Thesis II

Course Syllabus

Semester / Year	Spring 2024
Catalog Description	Completion and defense of an acceptable master's thesis.
Prerequisites	Advisor approval.
Section Number	004
Instructor Name	Dr. Chung-Hyun Goh
Contact Information	3900 University Blvd., RBN 3007, Tyler TX. 75799 Phone: 903-566-6125 Email: cgoh@uttyler.edu
Class Type / Instruction Mode / Location	Weekly meeting with the thesis advisor / RBN 3007
Class Time	TBA
Office Hours	M/Tu/W 10 am – 11 am or by appointment.
No. of Credits	3
Required Textbook	N/A
Optional References	N/A
Additional Rules and Requirements	N/A
Evaluation Method	Thesis committee approval
Grading Policy / Scale	CR (credit with semester credit hours awarded) NC (no-credit with no semester credit hours awarded) IP (indicates In Progress; grade is changed only when coursework sequence is completed)
Important Events / Dates	Census date: 01/29/2024. First drop for non-payment: 01/24/2024. Last date to withdraw from one or more 15-week courses: 03/25/2024. Final report submission date: 04/25/2024.
Attendance / Makeup policy / other rules	Weekly meeting with the thesis advisor.



Course Learning Objectives / ABET & PEOs Relation	By the end of this course, students will be able to: <ol style="list-style-type: none">1. Develop prototyping and validation & verification strategies in specific areas assigned by the instructor.2. Produce simulation and/or experimental results for the specific thesis work.3. Interpret and analyze data obtained from the simulations and/or experiments leading to a thesis work.4. Demonstrate the ability to write a thesis defense and present the findings to a thesis committee professionally.
Tentative Topics / Course Plans	<ul style="list-style-type: none">• Integration of RoboREHAB (Robot-Assisted Rehabilitation Device).• Prototyping and control design for leg assemblies in RoboREHAB.• Machine learning applications in Arduino.• CAD design for daily activities using RoboREHAB.• Technical manuscript writing.
University Policies	https://www.uttyler.edu/academic-affairs/files/syllabus_information_2021.pdf