EECE404 Senior Design II (3 crs) Spring 2025

Class hours: T 12:40 – 3:30 pm @ LKD 3105 Course website: <u>www.mwftr.com/SD2425.html</u>

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Course Contents

- The final phase of design project: solution to reality
- Agile Project management for Solution Implementation
- Life-Long Learning and New Knowledge Acquisition Individual Assignment
- Ethical Dilemma Identification and Resolution Individual Assignment
- Socially Responsible Engineering Team Assignment
- Final Report Writing
- EECE Capstone Day Final Project Presentation and Demonstration
- Team playing
- Peer evaluation

Prerequisites: EECE401 Senior Design I

TEXTBOOK: Required (?): Vern Johnson and Reid Bailey, *Becoming a Technical Professional*, Kendal/Hunt Publishing Co. 3rd Edition. ISBN 13:978-0-7575-2765-4.

GRADING CRITERIA

Individual 30 % (+ max 5%)

Life-long learning Assignment– 10% Ethical Dilemma Resolution Assignment – 10% Team Participation (graded by team leader) – 10% On-time arrival attendance (extra max 5%)

Team 70%

Team (Assignments + Progress Reporting) – 40% Final Report – 10% EECS Day (Presentation + Demo) – 20% Final individual grade = (individual score) + (team score) *(peer evaluation point)

Date	Торіс	Assignment
Week 1	Kick-off meeting	Team Assignment – final component
Week 2	Agile Project Management	Team Assignment
Week 3	Resolving Ethical Dilemma	Individual
Week 4	Life-Long Learning and New Knowledge Acquisition	Individual
Week 5	Progress Presentation	
Week 6	Progress Presentation	
Week 7	Citizen Engineer	Team Assignment
Week 8	Project Success	
Week 9	Spring Break	
Week 10	Progress Presentation - II	
Week 11	Final Presentation + Demo Methods	
Week 12		
Week 13	Final Class Presentation	
Week 14	EECS day – formal presentation + demo	
Week 15	Final Report Format	
Week 16	Peer Evaluation	

COURSE SCHEDULE (subject to change)

Academic honesty and integrity: You are expected to adhere to the student code of conduct in academic honesty and integrity. Giving or receiving help in assignments, exams, and any other required course submissions is cheating and violation of the code. If you are caught in the cheating, your score of the submission is automatically zero. Further disciplinary action may follow.

<u>Week 1 Team Assignment</u>: Check the Component Level Blueprint/Schematics and make out a list of components on a spreadsheet with item name, unit price, quantity, electronic store link. Submission deadline: (T) January 21, 2025