

EE3070 Project Design

Introduction of the Course

Dr. Wallace Tang

Semester A 2021/22

Objectives of the Course

- Enable students to gain **practical experience** and nurture their **creativity** in electronic product design
- Provide a clear understanding of the practical design problems and go through **idea embodiment, prototype design, implementation, and reporting**
- Enable student to acquire **soft skills**, including group management, report writing, presentation and demonstration.

Your Role

- You can only be EITHER one of the followings:
 - A member of a project group (3 students in a group) in the courseOR
 - A member of EE competition team in ROV this year (led by Dr Ray Cheung)OR
 - A member of EE competition team in Robocon this year (led by Dr Andy Chan)
- As a group member in this course, you'll need to
 - Work for a well-defined task, and complete individual assessment tasks
 - Work as a team to complete project and group assessment tasks

EE3070 Design Project

- Design Product → targeting to a theme for real applications
 - Theme in this semester: Smart Home
- Design Goals
 - Address a targeted scenario
 - Provide a solution with a prototype to demonstrate the design concept
- Resources
 - A general hardware platform (modules only)
 - Training on technical topics



Course Activities and Assessments

- See document

LB1/LC1 Mon: 1200 – 1450

L01/LA1 Wed: 1200 – 1450

L02/LA2 Wed: 1200 – 1450

Semester A 2021/22

August 2021

	S	M	T	W	T	F	S
	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
WK 1	29	30	31				

October 2021

	S	M	T	W	T	F	S
						1	2
WK 6	3	4	5	6	7	8	9
WK 7	10	11	12	13	14	15	16
WK 8	17	18	19	20	21	22	23
WK 9	24	25	26	27	28	29	30
	31						

September 2021

	S	M	T	W	T	F	S
				1	2	3	4
WK 2	5	6	7	8	9	10	11
WK 3	12	13	14	15	16	17	18
WK 4	19	20	21	22	23	24	25
WK 5	26	27	28	29	30		

November 2021

	S	M	T	W	T	F	S
WK 10		1	2	3	4	5	6
WK 11	7	8	9	10	11	12	13
WK 12	14	15	16	17	18	19	20
WK 13	21	22	23	24	25	26	27
	28	29	30				

December 2021

	S	M	T	W	T	F	S
				1	2	3	4

Course Assessments

- See document

Attendance Requirement

Requirements to pass the course,

- Attendance $\geq 75\%$ of lab sessions
 - Attendance in Week 3, 5-13, 10 weeks is to be counted, so you must attend at least 8 weeks

AND

- Get $\geq 40\%$ of the coursework mark

Students in Competitions

- If you are a member in the competition teams of ROV (led by Dr. Ray Cheung) or Robocon (led by Dr. Andy Chan),
 - Your activities will be prepared by the corresponding supervisors (Dr. Ray or Dr. Chan).
 - You will have similar assessments and requirements, but with the competition tasks as your project.

END