

Course Objectives and Outcomes

1.	Course code and title:	EE2073 Introduction To EEE Design And Project										
2.	Number of AUs:	2	3.	Course type:	Core							
4.	Course schedule:	Lecture:	Lecture: 6 hours for week 1 and 2 Design and Project: 33 hours for week 3-13									
		Tutorial:										
5.	Course assessment:	Assignment:	Report 20%									
		Quiz:	20%									
		Practical:	Practical assessment 60%									
6.	Course prerequisites:	Nil										
7.	Course description:	<p>EE2073 Introduction to EEE Design and Project is a core course proposed under BRC with the main objective to inspire students' interest in learning through active participations in the laboratory-based and practice-oriented course on the solutions of typical engineering system design and implementation problems. The course content covers multi-disciplinary areas of electrical, electronic and computer engineering, including data acquisition system and application, electronic circuit and system design, LabVIEW software design and development, instrumentation and control, and prescribed project for the course. The current course project is a digital control system for the Automatic Volume Control of Audio Amplifier System. Project activities include the design, development, test and evaluation of sub-systems and the integration of hardware and software subsystem modules to form a complete system which meets application requirements.</p>										
8.	Textbook(s):	<ul style="list-style-type: none"> • B.H. Bishop, 'Learning with LabView 8', Pearson Prentice Hall, 2007 • Mike Tooley, 'Electronic Circuit - fundamental and application', Newnes, 2006 □ 										
9.	Reference Book(s)	<ul style="list-style-type: none"> • Horowitz and Paul, 'Art of Electronics', Cambridge University Press, 1989□ 										
10.	Level of course contribution to Learning Outcomes											
		COURSE CODE AND TITLE				STUDENT LEARNING OUTCOME						
			a	b	c	d	e	f	g	h	i	j
		EE2073 INTRO. TO EEE DESIGN & PROJECT	●	●	●	◐	◐	◐	○	○	○	○

Legend

- Fully consistent (contributes to more than 75% of the SLO)
- ◐ Partially consistent (contributes to about 50% of the SLO)
- Weakly consistent (contributes to about 25% of the SLO)
- Blank Not related to the SLO

