Exercise for Electrical and Electronic Engineering 2

Basic Course Information			
Course Number	01005141	Subject Category	Elective Compulsory (M)
Class Format	Lecture	Credit Type and Number of Credits	1
Department	Mechatronics	Student Category	Year 5
Period of Study	Semester 1	Classes per Week	1
Required Materials			

Courte Chjerche
The course provises students with occordurably to practice adjustion of circuits and electromagnetism to despen their
Through the course, students can be achieved from man chaptches as follows.
If I To be able to exclain the basic have of design the electronic circuit.
If I is a label to exclain the basic have or design the electronic circuit.
If I is the able to exclain the basic have or design the electronic circuit.

Evaluation(Rubric)	Ideal Level of Achievement (Very Good)	Standard Level of Achievement (Good)	Unacceptable Level of Achievement (Fall) Unacceptable Level of Achievement Fall) Cannot explain the basic theory of design the electronic circuit.	
	Ideal Level of Achievement (Very Good)	Standard Level of Achievement (Good)		
To be able to explain the basic theory of design the electronic circuit.	To be able to explain the basic theory of design the electronic circuit and design a simple electrical circuit with the appropriate electronic components.	To be able to explain the basic theory of design the electronic circuit.		
To be able to explain the basic theory of design the circuit board design.	To be able to explain the basic theory of design the printed circuit and design a simple printed circuit board with the appropriate method.	To be able to explain the basic theory of design the printed circuit board.	Cannot explain the basic theory of design the printed circuit board.	
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	1			

Pleastorable with Learning Cuteones MCI Ability to design, propose and develop electrical and electronic systems for robotical mechatronic systems Please change Please change

Teaching Method
Outline: The course provides students with opportunity to practice calculation of prouble and electromagnetism. Solutionis study the basic theory of electronic cross at deeps yet annual-burst at the order do rule burst. The student covered in this electronic design automaton. EDA software electronic design automaton. EDA software.

Letture and Exercises

All materials will be posted on the Google claseroom.

Semester 1	Contents and Method of Course	Goals	Related MCC		
		To be able to explain the			
1st week	Guidance Introduction to circuit design	To be able to explain the basic items necessary for electronic circuit design and their importance.			
		their importance.			
			V-C 3 -		
		To be able to design a			
2nd week	Diode circuits and their application	To be able to design a simple diode circuit using appropriate components.			
			V-C 3 -		
3rd week	Transistor circuit	To be able to explain transistor characteristics of using datasheet.			
		using datasheet.			
			V-C 3		
		To be able to design a			
4th week	Transistor circuit application	To be able to design a simple transistor circuit using appropriate components.			
		components.			
			W-C 1		
5th week	Coaxial cable	To be able to explain the importance of impedance matching in electric circuit.			
00.11001	00000	matching in electric circuit.			
			Vi-C 1		
		To be able to design a	W-C 1		
6th week	Various electronic circuit 1	To be able to design a simple electronic circuit using appropriate			
		components.			
			W-C 1		
		To be able to design a			
7th week	Various electronic circuit 2	simple electronic circuit using appropriate components.			
		components.			
8th week	Midterm Examination	For week 1-7			
OUT WEEK	MICHELLI EXBURIDATION	FOR WHRK 1-7			
			<u> </u>		
9th week	Midterm Examination (Feedback)	Review learning			
		To be able to contain the			
10th week	Introduction to circuit board design	To be able to explain the basic items necessary for circuit board design.			
		Circuit board design.			
		To be able to seek a sire it			
11th week	Circuit board design 1	To be able to apply a circuit simulator to circuit design.			
12th week	Circuit board design 2	To be able to design a simple circuit board using circuit simulator.			
		circuit simulator.			
		To be able to explain the			
13th week	Circuit board processing 1	To be able to explain the basic process for manufacturing the circuit board.			
		board.			
		To be able to explain the basic process for	<u> </u>		
14th week	Circuit board processing 2	To be able to explain the basic process for manufacturing the circuit board.			
		LADER CO.	<u> </u>		
		To be obtain make at			
15th week	Circuit assembly 1	To be able to explain the basic method for assembling the electric component on circuit board.			
LAUT WORK	CALCUIT GOODING 1	assembling the electric component on circuit board.	<u> </u>		
		To be able to mount the electric component on the circuit board with appropriate method.	 		
16th week	Circuit assembly 2				
		appropriate method.			
			W-C 1		
		To be able to explain the			
17th week	Test and adjustment 1	To be able to explain the basic test methods for assembled electronic circuits board.			
		board,			
			W-C 1		
18th week	Total and a final and a final and a	To be able to perform basic	 		
18th week	Test and adjustment 2	To be able to perform basic tests on assembled electronic circuit boards.			
		1			
19th week	Final Evamination	For week 10-19			
19th week	Final Examination	For week 10-18			
19th week	Final Examination	For week 10-18			
19th week					
19th week 20th week	Final Examination Flaturn Exam Papers and Feedback, and special				
		For week 10-18 Review and summarize learning			
			Do		

	Exemination	Quitz	Mutual Evaluations between students	Report	Portfolio	Other
Basic Ability						
Technical Ability	70			30		
Interdisciplinary Ability						