

Course Title	()	()	Fundamentals of Electronics and Electric Circuits
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() Lecturer	()	/ / (Course No. /)	007160/ /3
(/HP) Contact No.		/ (Class Hour/Venue)	
(Course Prerequisite)		(Target Student)	2nd grade
E-mail (E-mail Address)		/Office Hour (Office/Office Hour)	09:00-08:00

(Objectives)	In this class, the basic concepts of electricity such as resistor, capacitor and inductor, and analysis method for electric circuits are to be taught, which is basic and mandatory for engineer who works in any engineering field. 가 (, ,) , 가 가 .
CQI (Continuous Quality Improvement Plan)	
(Text book & References)	Fundamentals of Electric Circuits () Author: Alexander, Sadiku Publisher : Mcgraw Hill Korea
(Assignment book)	The science of Electronics: DC/AC Author : Thomas L. Floyd, David M. Buchla Publisher : Pearson and Prentice Hall
(Lecture Methods)	Powerpoint
(Assignment)	Circuit simulation project
(Reading Materials)	General education books to learn the basic concepts of the basic electricity
가 (Course Grading)	[가] (%) : 30, (%) : 40, 가 (%) : 20, (%) : 10, Midterm exam 20-40%, Final term exam. 20-40%, Homeworks: 20-40%, Attention 10%
(Etc.)	

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(Week)	(Course Contents)	(Etc.)	
1	1ch. Basic concept		
2	2ch. Basic Laws		
3	3ch. Analysis Methods		
4	4ch. Circuit theory		
5	5ch. Operational Amplifier		
6	6ch. Capacitor		
7	6ch. Inductor Midterm summary		
8	Midterm exam		

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(Week)	(Course Contents)	(Etc.)	
9	7ch. 1st order circuit		
10	7ch. 1st order circuit		
11	8ch: 2nd order circuit		
12	9ch. AC- Sine wave, and Phasor -		
13	9ch. AC- Sine wave, and Phasor -		
14	10ch. Sinusoidal wave and steady state analysis		
15	10ch. Sinusoidal wave and steady state analysis		
16	Final summary Final term exam.		

<p style="text-align: center;">가 1 (Additional Guide1)</p>	<p style="text-align: center;">()</p> <p>Students who require special assistance (including special needs students) may contact their professors during the first week of the semester to discuss issues related to attendance, lectures, assignments and exams and request learning assistance.</p>
<p style="text-align: center;">가 2 (Additional Guide2)</p>	