

(SYLLABUS)

1.

(Course Title)		(Instructor)			
(Year)	2022	(Semester)	2	(Course No.)	2150083201
(Class)	01	(Open to)	3	(Course Classification)	-
(Credit)	3.0		03		100
(Office)	203	(Telephone)	02-829-8228	(e-mail)	mju20@ssu.ac.kr
	(PBL				
	(*) (ABEEK Classification)		(*) (ABEEK Requirement)		
(Course Description)	Engaged Learning 가 ( )				


가	( 100 )	
	100	5
	100	20
	100	35
	100	40

## (SYLLABUS)

(Required Texts)		
	( )	* /Basic Engineering Circuit Analysis, 12th ed./J. David Irwin & R. Mark Nelms/Wiley/12th edition

2.

(Week)	(Keyword)	(Description)		(Texts)
01	Ch1. Overview			
02	Ch2.Resistors, Ch3. Nodal analysis	Resistor Nodal analysis		
03	Ch4. Analysis technique, Ch5. 가	Source superposition, Thevenin 가		
04	Ch6. Op amp, Ch7. Capacitors, Inductors	Ch4, 5	, ,	
05	Ch8. 1st order transient circuits, Ch9. 2nd order transient circuits part1	Op amp가 C, L		
06	Ch9. 2nd order transient circuits part2	Ch4, 5, 6	, ,	
07	Ch10 Impulse response	C L Impulse response		
08		7 .		
09	Ch11 Phasor, Impedance	Ch10		
10	Ch12 Frequency response & Bode plot	Phasor Impedance Frequency response Bode plot ,		
11	Ch13(1) Laplace transform	PSpice	, , ,	
12	Ch13(2) inverse Laplace transform	Laplace transform		
13	Ch14 S-domain	S-domain Engaged Learning: , ,		
14	Review	Engaged Learning: ,	, ,	
15		.		

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3. ( )

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	Open-ended problem		
	Teamwork		
	Communication skills		