

Course Basic Information

Close

Year	2023	Term	1st Semester	Course Code	ELEC0738-001	Course Title	Power Electronics
Credits	3-3-0	Department	Graduate School School of Electronic and Electrical Engineering	Course Categories	Major	Classroom Language	English
Instructor	최병조	Class Time	Wed. 7A,7B,8A Thu. 7A,7B,8A	Classroom	IT대학1호관(공대10호관) 214		
Office & Office Hours	IT-3 Room314 & Can be arranged upon request						
Talent Model of department							
Educational objective of department	Fostering creative Glocal Leaders capable of directing future innovations of IT engineering and associate industries						

General Information

Core Competencies

Evaluation Methods

Support Available for Disabled Students

Course Content and Schedule

Course Evaluation

General Information

* Course Outline (519/18000byte)	The course will cover the circuit operation, power stage dynamics, and control design of resonant dc-to-dc converters. Topic 1: Basics of Resonant Power Conversion Topic 2: Sinusoidal Approximation Topic 3: Load Dependent Characteristics Topic 4: An Ultra-Low Profile LLC Dc-to-Dc Converter							
* Prerequisites (71/1000byte)	Electronics1, Electronics2, 회로이론 1, 회로이론2, 자동제어							
Recommended Subsequent Course (4/1000byte)	None							
Textbook & Other References	Search Input	No	* Book Name	* Author	* Publishing Office	* Publishing Year	* ISBN	* Book Section
	Directly Input	조회된 데이터가 없습니다.						
* References (96/18000byte)	Lectures will mainly be performed using lecture notes on Tablet PC with occasional exceptions.							
Notice to Students (96/18000byte)	Lectures will mainly be performed using lecture notes on Tablet PC with occasional exceptions.							