

Department of Electrical Engineering

| Introduction |

Electrical engineering studies power generation, operation, and electrical energy conversion, which are the core of high-tech industries.

The Dept. of Electrical Engineering provides advanced and in-depth education with a curriculum that combines theory and practice in electric power IT, electric power systems, electronic devices and control, and sensor and electric materials. Ultimately, we aim to cultivate students who can lead with vision and creativity for the future world through research and education.

| Information |

Campus	Wonju Campus
Location	Science and Technology Hall 2 No.404 (W6- No.404)
Tel	033-760-8780
Fax	033-760-8781
Address	(26403) Dept. of Electrical Engineering, College of Science and Technology, Gangneung-Wonju National University, Namwon-ro 150, Heungeop-myeon, Wonju-si, Gangwon-Do, Korea
Website	https://electhome.gwnu.ac.kr
E-mail	elect@gwnu.ac.kr

| Professor Introduction |

Name	Field of study	Tel	E-mail
Sang-Geun Lee	Power System	033-760-8782	sklee61@gwnu.ac.kr
Young-Jin Park	Automatic Control	033-760-8784	popspark@gwnu.ac.kr
Jong-Gyeom Kim	Electric Machinery and Energy Conversion	033-760-8785	jgkim@gwnu.ac.kr
Cheol-Won Park	Power System and Computer Application	033-760-8786	cwpark1@gwnu.ac.kr
Yeong-Tae Kim	Power Electronics	033-760-8787	ytkim@gwnu.ac.kr
Jae-sub Ko	Power Electronics	033-760-8788	kokos22@gwnu.ac.kr

I Curriculum – Master's course · Doctoral course I

Course Code	Course Title	Credit
813.501	Power System Analysis	3-3-0
813.502	Phenomena of Dielectric Materials	3-3-0
813.503	Linear System Theory	3-3-0
813.504	Energy Conversion System	3-3-0
813.505	Electro-Magnetic Transient Program Application	3-3-0
813.506	Electric Machines Control	3-3-0
813.601	Power System Planning	3-3-0
813.602	Power Protection System	3-3-0
813.603	Design of Power System Apparatuses	3-3-0
813.604	Solid State Physics	3-3-0
813.605	Seminar on Medical sensor & Measurement	3-3-0
813.606	Medical Light Sources & Applications Seminar	3-3-0
813.607	Special Researches in Control Engineering	3-3-0
813.608	Digital System Design	3-3-0
813.609	Digital Control System	3-3-0
813.610	Electrical Machines Design	3-3-0
813.611	Electro-mechanical System Control Design	3-3-0
813.612	Analysis on Special Purpose Electric Machines	3-3-0
813.613	Distributed Generation System & Energy Engineering	3-3-0
813.614	Distribution System Analysis and Automation	3-3-0
813.615	Computer Protective Relaying & Smart Grid Control Application	3-3-0
813.616	Advanced Power Conversion System	3-3-0
813.617	Design of Power Supply System	3-3-0
813.618	Advanced Microprocessor Application	3-3-0
813.619	Intelligent Electronic Device & Smart Grid Application	3-3-0
813.620	Analysis and Design of the Power System	3-3-0
813.621	Analysis of the Transient Characteristics of the Power System	3-3-0
813.622	Operation of the Dispersed Generation System	3-3-0
813.623	Design of the Circuit System	3-3-0
813.624	Electro-Magnetic Field Theory	3-3-0