MUST Curriculum Planning for Graduate Students for Academic Year 2021-2022, Institute of Electrical Engineering

l ^{si} year(110)						2 nd year(111)						
	· _	1st gml semester semester							ist somester		2 ⁶⁴ semester	
	Course		hr.	Cr.	hr.		Course	Cr.	hr.	Cr.	hr.	
MUST Core						MUST Core						
Required						Required						
Courses	Subtotal	0	0	0	0	Courses	Subtotal	0	0	0	0	
Department Courses Department Elective Courses	Special Research and Discussion	1	2			Department	Thesis	3	3	3	3	
	Research Methodology and Thesis Writing			2	2	compulsory						
	Subtotal	1	2	2	2	courses	Subtotal	3	3	3	3	
	Advanced Engineering Mathematics	3	3			ed Detection	Thesis Research and Discussion (I)	1	1			
	Advanced Algorithms	3	3				Deep Learning	3	3			
	Wireless Systems	3	3				Wave Guided Theory	3	3			
	Advanced Electromagnetic Theory	3	3				Intelligent Antenna Theory	3	3			
	Advanced power electronics	3	3				Computer Graphics	3	3			
	Coding Theory	3	3				Artificial Intelligent	3	3			
	Motor Servo Control	3	3				Wireless Network	3	3			
	Microwave Engineering	3	3				Embedded System Programming	3	3			
	Control & Operation of Power Systems	3	3				Linux Sorvers and Web Application	3	3			
	Advanced Digital Signal Processing	3	3				High Frequency Circuit Design	3	3			
	Linear System Theory	3	3				Network Security	3	3			
	Big Data and Statistic Analysis Practice	3	3				Data Mining	3	3			
	Analysis and Design of PWM Control IC	3	. 3				Integrated Circuits	3	3			
	Control System Design, Simulation, and Practices	3	3				Lab of Property Practice (I)	9	9			
	Theory and Application of Bluetooth Technology	3	3			Department	Thesis Research and Discussion (II)			1	1	
	Topics on Vector Control of Alternating Current Noter (1)	3	3			Elective	Variable-Structure Control			3	3	
	Embedded Systems and Applications			3	3	Courses	Design and Measurement of Electromagnetic Compatibility			3	3	
	Elcetric product design practice			3	3		Saving and Management of Power Energy			3	3	
	Nonlinear Control			3	3		Nature Inspired Algorithms		ļ	3	3	
	Mobile Communication			3	3		Applications of Power Electronics		<u> </u>	3	3	
	Callular Telecommunication Network Principle and Practice			3	3		Optimization Algorithms			3	3.	
	Neural Network			3	3		Advanced Computer Architecture		ļ <u>.</u>	3	3	
	Applications for Internet of Things System			3	3		DirectX Programming		<u> </u>	3	3	
	Advanced PFM Costrol IC Applications and Practices			3	3		Embedded System Device Driver Programming			3	3	
	Mobile Devices Programming and Practices			3	3		Network Planning and Management			3	3	
	Image Processing			3	3	Part de la company de la compa	Product Research and Management			3	3	
	Control System Design and Practices			3	3		Power Electronic Control by FPGA		<u> </u>	3	3	
	iOS App Development			3	3		Lab of Property Practice (II)	<u> </u>		9	9	
	Topics on Vector Control of Alternating Current Woter ()])			3	3				<u> </u>		<u> </u>	
	Robust Control System Design			3	3				<u> </u>	<u> </u>		
	Fast Fourier Transform with Applications			3	3				<u>L.</u>	1		

Cr. /hr. =Credit/hour

Remarks:

- 1. Minimum credits required for graduation are 30 credits (9 required credits and at least 21 elective credits)
- 2. No fewer than 15 professional elective credits are required with the exclusion of credits for innter-disciplinary programs, expect Lab of Property Practice (I)(II).
- 3. All 6 thesis credits will be granted only after passing the oral exam.
- 4. The elective courses are subject to change if necessary.