MUST Curriculum Planning for Graduate Students for Academic Year 2024-2025, Institute of Semiconductor and Electro-Optical Technology

1st year(2024)						2nd year(2025)					
	Course	1st semester		2nd semester			Course	1st semester		2nd semester	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
School Professional Required Courses	Seminar	1	2	1	2	School Professional Required Courses					
	Research Methodo and Thesis Writing	1	2								
	Subtotal	2	4	1	2		Subtotal	0	0	0	0
Compulsory Courses						Compulsory Courses	Thesis	3	3	3	3
	Subtotal	0	0	0	0		Subtotal	3	3	3	3
Elective Courses	Semiconductor Engineering(I)	3	3			Elective Courses	Measurement Technology of Thin Films	3	3		
	Optical Engineering	3	3				Measurement Technology of Optical Device	3	3		
	Introduction to Semiconductor Manufacturing Technology	3	3				Micro Opto Electro Mechanical System Engineering	3	3		
	Optical Fiber Device	3	3				Emitting semiconductor measurement analysis	3	3		
	Optoelectronics	3	3				Solar Photovoltaic Power Technology	3	3		
	Optical Design and Simulation	3	3				Optical Fiber Communcations	3	3		
	Semiconductor Engineering(II)			3	3		Optical Testing	3	3		
	Optical Appliation Engineering			3	3		Nano Bio-photonics			3	3
	Panel Display Theory Technology			3	3		Optical Thin Film			3	3
	Semiconductor process integration			3	3		Plasma Deposition Techniques			3	3
	Material and Device Characterizations of Light Emitting Diodes			3	3		Lighting technology			3	3
	Semiconductor Physics and Devices			3	3		Patent Search and Writing			3	3
	Solid State Lighting Driver Technologies			3	3		Design and Manufacture of LED Lighting Products			3	3
							Photoelectric mechanism			3	3

Cr./hr.=Credit/hour

【Remarks】

1. Minimum graduation credits: 30 credits, including 21 elective credits (at least 15 credits for this major, the rest can be other departments).
2. Study credits per semester: the lower limit is 1 credit.
3. Students must earn at least one English as a Medium of Instruction course credit (2 credits or more) to graduate from the program.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. Elective courses for listed are subject to change if necessary.
6. According to university regulations, students are required to meet the graduation requirement of basic proficiency and professional skills.

半導體系課程規劃委員1

半導體與光電科技系 系主任 陳炳茂

半導體學院 院長 張合

明新科技大學 財團法人 半導體與光電科技系 MUST