

(TaipeiTech) ELECTRO-OPTICAL ENGINEERING

(UC)Electrical Engineering

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Semester	Required/Elective	Course Number	Course Name		Teaching Language	Credits	*note	Semester	Required/Elective	Course Number	Course Name		Credit	
			Chinese	English							Chinese	English		
Fall	Required	6505137	半導體元件物理含實習	Physics of Semiconductor Device with Practices	English	3		Fall	Required	EECE6018	半導體元件之微機電製程	Microfab of Semiconductor Devices	3	
Fall	Required	6505049	半導體薄膜特性與製程	Properties and Fabrication Techniques of Semiconductor Thin	English	3		Fall	Required	EECE6041C	微機電製程實驗	Microfabrication Lab	3	
Fall	Required	6505024	光電半導體製造	Fabrication of Potoelectronic Materials and Device	English	3		Fall	Elective	EECE6007	精密生醫系統	Biomedical Microsystems	3	
Spring	Required	6505114	醫電工程概論	Introduction to Electro-Medical Engineering	English	3		Fall	Elective	EECE6008	MEMs 概論	Fundamentals of MEMS	3	
Spring	Required	6505066	生醫光電導論	Introduction to Biomedical Optics	English	3		Spring	Elective	EECE6048C	光電工程	Optics for Engineers	3	
Fall	Required	5605012	微機電系統	Micro Electro-mechanical System		3		Spring	Elective	EECE6088	VLSI元件基本原理	Principles of VLSI Devices	3	
Fall	Elective	6505091	光電科技概論(1)	Introduction to Opto-electronic Engineering(1)	English	3		Spring	Elective	EECE7011	電磁系統	Electromagnetic Systems 3	3	
Spring	Elective	6505092	光電科技概論(2)	Introduction to Opto-electronic Engineering(2)	English	3		Spring	Elective	EECE 7022	無線通訊	Wireless Communication	3	
Fall	Elective	3604055	超大型積體電路設計	VLSI Design	English	3								
Spring	Elective	3635041	應用電磁特論	Special Topics on Applied Electromagnetics	English	3								
Fall	Elective	6505034	光纖通訊	Fiber-Optic Communication	English	3								
Spring	Elective	6505028	光通訊	Optical Communication	English	3								
Fall	Elective	3625023	無線區域網路	Wireless Local Area Networks	English	3								
Total						36		Total						22