

遠東科技大學 電機工程系 碩士班 課程規劃表(適用112學年度入學)
Far East University Curriculum of Electrical Engineering Department for Master's Program
(Effective from Fall 2023)

科目名稱 Subject			第一學年 1st school year				第二學年 2nd school year			
			上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester	
			學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours
專業課程 Professional Courses	必修 Required	專題討論(1) Seminar(1)	1	2						
		學術倫理專題 Academic Ethics Education	1	1						
		專題討論(2) Seminar(2)			1	2				
	選修 Elective	專題討論(3) Seminar(3)					1	2		
		專題討論(4) Seminar(4)							1	2
專業選修	電能科技組	電力電子系統分析 Power Electronics System Analysis	3	3						
		高頻切換式電源供應器電路模擬 High Frequency Switching Power Supply Circuit Simulation	3	3						
		植物工廠之科技應用 Technology Application in Plant Factory	3	3						
		冷凍電能設計及應用 Design and Application of Electric Energy for Frozen Products	3	3						
		電力系統運轉與控制 Power System Operation and Control			3	3				
		太陽能系統設計 Solar System Design			3	3				
		智慧科技農業 Smart Technology Agriculture			3	3				
	光學量測 Optical Measurement			3	3					
	系統控制組	數位控制系統 Digital Control Systems	3	3						
		系統晶片設計與應用 Chip Design and System Application	3	3						
		智慧型系統 Smart Systems	3	3						
		智慧型數據分析 SmartData Analytics	3	3						
		非線性控制 Nonlinear Control Design			3	3				
Python專題 Python Projects				3	3					
	智慧物聯網 Smart Internet			3	3					

遠東科技大學 電機工程系 碩士班 課程規劃表(適用112學年度入學)
Far East University Curriculum of Electrical Engineering Department for Master's Program
(Effective from Fall 2023)

科目名稱 Subject		第一學年 1st school year				第二學年 2nd school year					
		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester			
		學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours		
		產業智慧化 Industrial Intelligentization				3	3				
備註 Note		112年05月23日 校課程發展委員會會議通過Amended Date： 2023-05-23									
		<p>一、總畢業學分至少28學分。(包含必修課程3學分、選修課程25學分) The total number of credits completed to be eligible to graduate shall not be less than 28 credits (3 credits for required courses, and 25 credits for elective courses).</p> <p>二、畢業碩士論文6學分另計。 The additional thesis credits shall be 6.</p> <p>三、研究生因研究需要，須經指導教授或所長同意選修他所開授之課程，其學分列入畢業學分之計算。 Graduate students shall not take courses offered by their advisers unless for research purposes and unless with the consents of the advisers or Deans, and these credits shall be included in the graduation credits.</p> <p>四、各科目成績以70分(含)以上為及格。 A score of 70 points or above in each subject shall be considered a pass.</p> <p>五、修業年限為1-4年。 The study period for Master's Degree Program shall be up to 4 years.</p> <p>六、專業討論(3)(4)為二年級學生之必選科目。 Seminar (3)(4) shall be required courses in the second year of the Master's Program.</p> <p>七、本表請學生妥為保存，做為辦理選課、重(補)修及畢業資格審查之參考。 The document shall be kept as a reference for course selection, retaking courses, and graduation qualification review.</p>									