國立勤益科技大學114學年度進修部碩士在職專班電機工程系學分計畫表

National Chin-Yi University of Technology Continuing Education Division Curriculum for 2025 In-Service Master Program Department of Electrical Engineering

113.10.09. 糸課程會議通過 113.10.23. 糸務會議 113.11.20 113學年度第1學期第1次院課程會議審議通過 113.12.05 校課程委員會議及113.12.24 臨時教務會議審議通過

	113.1					12.05 校課程委員會議及113.12.24 臨時教務會議審議通過 上學期First Semester 下學期Second Semester					
 科 目	Courses			上字: 學分	明FIFSUSE 正課	mester	学 分	JSecond S 正課	實習		
				Credit		Internship	Credit	Lecture	Internship		
	共同必	公修科目(10學)	分)General Red		es(10cred	lits hour	·s)				
	<u> </u>		第一學年F	irst Year					•		
專題研討 (一)	Seminar				2	2	0				
專題研討 (二)	Seminar	(11)						2	2	0	
	<u> </u>		第二學年Se	econd Year					•		
論文(一)	Thesis (3	3	0				
論文(二)	Thesis (Thesis (II)						3	3	0	
科目						期First Se		下學期Second Se			
	Courses				學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship	
		專業選例	多科目Departme	nt Electives			шестыпр	0.00.0			
				irst Year							
綠色能源系統	Green En	Green Energy System				3	0			T	
高等電力電子學		Power Electi	ronics		3	3	0		†	+	
模糊控制	Fuzzy Co				3	3	0		† 	 	
高等電機理論		Advanced Electric Machinery Theory				3	0			 	
系統理論	System T				3	3	0			+	
永磁無刷馬達		t Brushless N	Magnet Motor		3	3	0			+	
電力品質專論		Topics in Po			3	3	0			 	
太陽光電發電系統設計	_		eneration Syst	tems Design	3	3	0		<u> </u>	+	
高等控制專論			ontrol System	ciiis besign	3	3	0		+	+	
高等控制系統		Control Syst			3	3	0			+	
高等系統動態模擬				1	3	3	0			+	
高等數位影像處理		Advanced System Dynamic Simulation Advanced Digital Image Processing			3	3	0			+	
物聯網與機器學習應用			ning Applicati	on	3	3	0		+	+	
類小腦神經網路應用	_			TOII	3	3	0		+	+	
電磁干擾與防治		CMAC Neural Network Application			3	3	0		+	+	
最佳化電機設計		Electromagnetic Interference and Protection				0	U	3	3	1 0	
類神經網路應用		Optimization Electrical Machine Design Neural Network and Application						3	3	0	
英文論文寫作								3	3	0	
可拓方法	_	English Thesis Writing						3	3	0	
大進電能儲存技術 - 大進電能儲存技術		Extension Method			-			3	3	0	
氫能與燃料電池技術	Advanced Energy Storage Technology			-			3	3	0		
電力系統分析與控制		Hydrogen and Fuel Cell Technology Power System Analysis and Control						3	3	0	
高等電機控制		Electric Dri						3	3	0	
同	Auvanceu	Electric bri	第二學年Se	ocond Voor	<u> </u>			J	J		
電池管理系統	Rottory	Management Sy		cond rear	3	3	0			т —	
高等實驗設計			•		3	3	0		+	+	
電力系統穩定度		Advanced Design of Experiments Power System Stability			3	3	0		+	+	
			-	logy	3	3	0		+	+	
局部放電檢測技術 小波轉換及應用	_	Partial Discharge Detection Technology			3	3	0		+	+	
小波轉換及應用 DSP於驅動器應用專論		Wavelet Transform and Application			3	3	0		+	+	
		Advanced Topics in DSP Drivers High Technology Patent Application and				-	+		1	+	
高科技專利取得與攻防	Protecti	Protection			3	3	0		<u> </u>	<u> </u>	
分散式發電系統動態分析		Dynamic Analysis of Distributed Power Generation System						3	3	0	
新暨再生能源發電效益評估	Appraisa	Appraisal Criteria for New and Renewable						3	3	0	
最佳控制	Energy Power Generation Optimization Control					+ -	3	3	0		
強健控制理論及應用	Robust Control Theory and Application						3	3	0		
切換式電源供應器設計	Switching Power Supply Design					1	3	3	0		
智慧整合感控系統	Intelligent Cyber-Physical System							3	3	0	
電能監控系統	Power SCADA System							3	3	0	
數位影像處理	Digital Image Processing							3	3	0	
高等系統動態模擬			nic Simulation	<u> </u>				3	3	0	
1	,		-First Year		1	•	第二學年5	Second Year			
學分/時數統計 Credit/Hour Total	L&	上學期 下學期 First Semester Second Semester				上學期 First Semester			下學期 Second Semester		
	學分	學時	學分	學時	學分		學時 學		分 學時		
必修科目學分/時數	Credit	Hour	Credit Hour		Credit		Hour				
受験者自学者/可数 Required Courses Credit / Hour	2	2	2	2	3		3	3		3	

最低選修科目學分/時數 Minimum Electives Courses Credit / Hour	12	12	12	12	0	0	0	0
總學分數/時數累計 Credits / Hours Total	14	14	14	14	3	3	3	3

備註Note:

- 一、 畢業至少應修滿34學分【必修10學分(含論文6學分),選修至少24學分】,系內專業選修不得低於18學分。 Students should complete at least 34 credits before graduation including 10 required credits (containing 6 credits for Thesis) and 24 elective credits (at least 18 professional elective credits).
- 二、 研究生必須通過碩士班論文口試,方准予畢業。 Graduate students are only qualified for graduation after passing the thesis oral examination of the master's program and will be awarded with the master's degree according to law by the time of graduation.
- 三、 學生應於申請學位考試前至「教育部臺灣學術倫理教育資源中心」網路平臺完成學術研究倫理教育課程,至少6小時課程。 Students need to complete the academic research ethics education course for at least 6 hours before the final defence application.
- 四、 實際開課狀況需依當學期、依各科目授課進度與老師可配合授課情形安排,本系歷年開課,請至本校「校務行政網路系統-學生篇」查 詢。
 - The actual commencement of classes will be arranged based on the current semester situation, the progress of each subject's curriculum, and the availability of teachers for instruction. Information about courses offered in previous years for this department can be found by checking the 'Student Information Management System' on our school's website.
- 五、 為因應法規變更、評鑑建議或政府計畫規定等外在因素,本系保有調整學分計畫之權利。若有修訂,將於學期開始前公告,並明確說明 修訂內容、影響範圍及相關配套措施,以保障學生權益。 The department reserves the right to adjust the curriculum in response to external factors such as changes in regulations, suggestions of evaluation and accreditation, or government program regulations. If there are any revisions, will be announced before the start of the semester, and the revised content, scope of impact, and related supporting measures will be clearly stated to protect the rights and interests of students.