國立虎尾科技大學 機械設計工程系【碩士班】科目表(108 學年度入學適用)

Department of Mechanical Design Engineering , National Formosa University

Curriculum for Graduated Students (108 academic year for)

上 科目 專題研討(一) Seminar 1	學分	時數	下	學		上			下			計	
專題研討(一)	学分	時业	신 ㅁ		· · · · · · · · · · · · · · · · · · ·								
		푌	科目	字分	時數	科目	學分	時數	科目	學分	時數	學分	
	0	2	專題研討(二) Seminar 2	0	2	碩士論文(一) Master Degree Thesis 1	3	0	碩士論文(二) Master Degree Thesis 2	3	0	6	
h ii v v	0	2	he 11 - J. 202	0	2		3	0	ما الله على	3	0	1	
數值方法 Numerical Methods	3	3	高等熱流學 Advanced Thermal Sciences	3	3	產業研發實習(一) Industrial R&D Internship 1	0	2	產業研發實習(二) Industrial R&D Internship 2	0	2		
多體動力學	3	3	機械振動學	3	3								
Dynamics of Multibody Systems	3	5	Mechanical Vibration		5							4	
高等電腦輔助工程分析 Advanced Computer-Aided	3	3	智慧財產權與專利寫作 Intellectual Property and Patent	3	3								
Engineering Analysis			Application										
	3	3		3	3								
材料之機械性質	3	3	高等工業設計	3	3							1	
Material's Mechanical Properties 工程分析	2	2	Advanced Industrial Design 高等機構設計	2	2						\vdash	-	
Engineering Analysis	3	3	Advanced Mechanism Design	3	3								
實驗設計與分析 Design and Analysis of Experiment	3	3	系統整合設計 System Intergration Design	3	3								
高等人因工程	3	3	塑性加工與分析	3	3							1	
												-	
同サイルを改訂 Advanced Design of Stamping	3	3	國神 相 或 司 GearBox Design	3	3								
創意性機構設計	3	3	磨潤設計	3	3								
		_										-	
Thermal Science and Energy	3	3	Quality and Reliability	3	3							3	
Engineering			Engineering								<u> </u>		
	3	3		3	3							13	
避震器原理特論												1	
specific Topics in Shock Absorber	3	3	快流設訂 Mold Flow Design	3	3								
												- 4	
Product Development and	3	3	Introduction to Semiconductor	3	3								
Č												-	
· · · · · · · · · · · · · · · · · · ·	3	3		3	3								
線性系統	3	3	微奈米機電設計與感測器	3	3							-	
	3	3		3	3							_	
	3	3		3	3								
數位控制	3	3	人因設計	3	3							1	
	3	5		<i>J</i>	5							_	
	3	3		3	3								
嵌入式系統	3	3	智慧材料	3	3								
, , , , , , , , , , , , , , , , , , ,											 	4	
	3	3		3	3								
科技創新創業導論	_		智慧自動化與先進機器人技術									1	
	3	3		3	3								
應用流動控制	2	2	演化運算	2	2								
Applied Flow Control	3	3	Evolutionary Computation	3	3							-	
	3	3		3	3								
Applications			Topics										
· · · · · · · · · · · · · · · · · · ·	3	3		3	3								
<u> </u>				_	_							H	
Computer Vision	3	3	Industrial applications of heat transfer	3	3								
	3	3		3	3								
<u> </u>				_								\dagger	
Intelligent Machine Design	3	3	Advaned Engineering Mathematics	3	3						<u> </u>		
	3	3	• =	3	3								
 	2	2		_	2							t	
Nonlinear System Analysis	3	3	Advanced Vibration and Modal Analysis	3	3						<u> </u>		
	3	3		3	3								
Artifical intelligence 噪音理論與應用	2	2		2	2							\dagger	
Noise Theory and Application	3	3	Spectral Analysis	3	3						<u> </u>	1	
	3	3		3	3								
mausutat venthation	99	99	Compand Anded Ocal Design	99	99		0	2		0	2	+	
					101		3	2		3	2	+	
N	Material's Mechanical Properties 工程分析 Engineering Analysis 實驗設計與分析 esign and Analysis of Experiment 高等人因工程 Advanced Human Factors 高等沖壓設計 Advanced Design of Stamping 創意性機構設計 Creative Mechanism Design 熱流與能源工程 Thermal Science and Energy Engineering 齒輪原理及實務 Gear Theory and Applied Affair 避實器原理特論 pecific Topics in Shock Absorber Theory 新產品開發與管理 Product Development and Management 人類步行力學 Human Walking 線性系統 Linear Systems 數位訊號處理 Digital Signal Processing 數位控制 Digital Control 精密量測 Precise Measurement 嵌入式系統 Embedded Systems 物聯網應用 Applications of Internet of Things 科技創新創業導論 Introductions to Technical Innovations and Startups 應用流動控制 Applied Flow Control OpenCNC 實務與應用 OpenCNC Practice and Its Applications 機器學習 Machine Learning 電腦視覺 Computer Vision 物件導向程式設計 Object-Oriented Programming 智慧機械設計 Intelligent Machine Design 機器系統動力學 Dynamics of Machine System 非線性系統分析 Nonlinear System Analysis 人工智慧 Artifical Intelligence 噪音理論與應用	Wibration and Measuring System 材料之機械性質 Material's Mechanical Properties 工程分析 Engineering Analysis 實驗設計與分析 esign and Analysis of Experiment 高等人因工程 Advanced Human Factors 高等沖壓設計 Advanced Design of Stamping 創意性機構設計 Creative Mechanism Design 熱流與能源工程 Thermal Science and Energy Engineering 歯輪原理及實務 Gear Theory and Applied Affair 遊震器原理特論 pecific Topics in Shock Absorber Theory 新產品開發與管理 Product Development and Management 人類步行力學 Human Walking 線性系統 Linear Systems 數位訊號處理 Digital Signal Processing 數位控制 Digital Control 指密量測 Precise Measurement 嵌入式系統 Embedded Systems 物聯網應用 Applications of Internet of Things 科技創新創業導論 Introductions to Technical Innovations and Startups 應用流動控制	Vibration and Measuring System	wibration and Measuring System	vibration and Measuring System 7 Scientific Writing 3 材料之機械性質Material's Mechanical Properties 3 3 高等工業設計 3 Late 分析 3 3 Advanced Industrial Design 3 Engineering Analysis 3 3 Advanced Industrial Design 3 高等人周工程 Advanced Human Factors 3 5,就整合設計 3 高等产機模設計 Advanced Human Factors 3 3 2mth Design 3 高等产型或数计 Advanced Design of Stamping 3 3 2mth Design 3 Moderation Energy Engineering 3 3 Bear Book Design 3 3 Thermal Science and Energy Engineering 3 3 Referough and Analysis 3 Referough and Referough and Analysis 3 Referough and Referough and Analysis 3 Referough and Analysis 3 Referough and Referough and Analysis 3 Referough and Analysis 3 Referough and Analysis 3 Referough and Referough and Analysis 3 Referough and Analysis 3 Referough and Referough and Referough and Referough and Analysis	vibration and Measuring System 3 3 Scientific Writing 3 3 3 3 4 3	vibration and Measuring System 并列之機能性質 Materiar's Mechanical Properties	vibration and Measuring System	が sibration and Measuring System	Scientific Writing	が持っている。	প্ৰক্ৰমন্ত্ৰ স্থান কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব	

^{|◎}畢業最低學分數 30 學分。(含碩士論文 6 學分)。 【Thirty credits are required, in which the 6 credits in the Master Degree Thesis courses are included.】

[◎]專業選修科目至少 24 學分以上。修習外所課程,至多承認 9 學分。 【Twenty-four or more professional elective credits are required, in which a maximum of 9 credits delivered by other departments is eligible.

②可抵免學分最多 6 學分。 【A maximum of 6 waived credits is eligible.】 ◎外籍生修習華語教學課程得抵免專題研討課程。 【Foreign students may waive Seminar courses if they have passed Chinese Language Training courses.】 ◎學術研究倫理課程(必修 0 學分,需取得 6 小時修業證明)。