吳鳳科技大學 日間部 日四技 人工智慧無人機科技系 課程表 (113學年度入學學生適用)

科	(Ca of			第二學年(Second Academic Year)					第三學年(Third Academic Year)						第四學年(Forth Academic Year)							小計			
目	ateg Cou	上(First Semester) 下(Second Semester)				上(First Semes	ster)		下(Second Semester)		上(First Semester)		F(Second Seme				上(First Semester)			F(Second Semester)			subt	total	
類 別	ategories Courses)	科目 Course Title	學分 Credit	時數 Hour Course Title	學分 Credit	時數 Hour	科目 Course Title	學分 Credit	時數 Hour	科目 學分 Course Title Credit				· 時數 t Hou			時數 Hour	科目 Course Title		時數 t Hour	科目 Course Title	學分 Credit	時數 Hour	學分 Credit	時數 Hour
		英文(一)/English(I)	3	3 英文(二)/English(II)	3	3	安全教育/Safety	1	1																
基本素養	(Core	文學賞析與習作 /Appreciation & Composition of	2	語文能力表達/The ability 2 of Expression in Chinese Language	2	2	Education 專業倫理/Professional Ethics	1	1																
	Literacy	Chinese Literature 體育(一)/Physical Education(I)	2	2 體育(二)/Physical Education(II)	2	2	創意概論與智財權 /Introduction of creation	1	1																
	Č	券作教育/Labor Education	1	1			Creation																		
		小計/subtotal	8	8	7	7		3	3	0	0		0	0		0	0		0	0		0	0	18	18
公民	(Civic I									公民素養(一)/Civic Literacy(I) 2	2	公民素養(二)/Civic Literacy(II)	2	2											
素養	literacy)	小計/subtotal	0	0	0	0		0	0	2	2		2	2		0	0		0	0		0	0	4	4
院共同	(Courses requi	微積分/Calculus	2	電腦實務與程式應用 */Computer pratice and programe application	2	2																			
必修	ired by ge)										+		+	-											+
13	y the	小計/subtotal	2	2	2	2		0	0	0	0		0	0		0	0		0	0		0	0	4	4
	()	無人載具操作應用實務 (一)*/UAV operation practice (1)*	2	無人載具操作應用實務 (二)/UAV operation practice (2)	2	3	無人機設計組裝與維護保養 /UAV design and maintenance	2	3	定翼機基礎實務/Fix wing drone 2	3	實務專題(一))/Practice topic	1	1	實務專題(二)/Special Projects (II)	1	1								
采專業必修	ourses re	人工智慧導論 *#/Introduction to AI*#	2	2 基本電學/Basic electricity	2	2	電腦3D立體繪圖*/3D Computer Drafting	3	3	資料科學*#/Data science 3	3	資料庫系統 * #/Data base system	2	2	技術報告撰寫*/Technical Report Writing	2	2								
	quired by th	航空概論/Introduction to Aviation	2	Python 程式設計概論 2 *#/Introduction to Python Programming*#	2	2	機器學習概論*#/Machine learning priciple	2	3	機器學習資料解析與建模 *#/Machine learning 2 analysis and modeling	2	資料結構與演算法*#/Data base sturcture and algorithm*#	e 2	2	巨量資料分析實作 *#/Massive data analysis implementation*	2	2								
	ne department)	航空法規與倫理 /Aviation regulations and ethics	2	2 基礎電腦繪圖*/Basic computer graphics*	2	2	初階專業英文 Professional English (I)	1	1	進階專業英文 Professional English 1 (II)	1	33	3												
	Ü		0		0				10				+ -	+-		_	-					0	0		45
必有	冬小計/Sul	小計/subtotal ototal, Compulsory	8 18	9 19	8 17	9 18		8 11	10 13	8	1		7	5 7		5 5	5		0	0		0	0	42 68	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Joseph Comparisory	10		11	10	作業風險管理/ Operationa risk management	3	3	深度學習實務 ^{*#} / Deep learning practice	3	式測學理公內等效¥#/Concor theory	3	3	大數據分析概論*#/	3	3	進階深度學習*#/ Advanced deep learning	9	3	智慧監測系統實務*/ Smart monitoring system practice	3	3		10
	(Cours						空拍與影片製作/ Aerial photography and video production	ಬ	3	視覺學習概論*/Visual learning priciple	3	資料處理與分析概論*#/Introduction to data processing and analysis	3	3	C 程式設計實務*#/C Programming Practice	3	3	碳盤查實務/Carbon inventory practice	3	3	空中量測實務/ Aerial measurement practice	3	3		
系車	es requir						3D列印實務*/ 3D printing practice	3	3	視窗程式設計*/Visual programming design	3	虚擬實境實務應用*/ Virtual Reality Practical Application	3	3	無人機農噴實務/ UAV agricultural spraying practice	3	3	群飛設計及操作實務 */Qunfei design and operation practice*	3	3	社群媒體製作實務*/ Social Media Production Practice	3	3		
業選	ed by ti									FPV操作實務/FPV operation Practice 3	3														
修	1e dej																	校外實習(一)/Practical Training(1)	3	3	校外實習(五)/Practical Training(5)	3	3		
	oar tme																	校外實習(二)/Practical Training(2)	3	3	校外實習(六)/Practical Training(6)	3	3		
	nt)																	校外實習(三)/Practical Training(3)	3	3	校外實習(セ)/Practical Training(7)	3	3		
																		校外實習(四)/Practical Training(4)	3	3	9,1/				
L							開設科目數2~3倍	9	9	開設科目數2~3倍 9	9	開設科目數2~3倍	8	9	開設科目數2~3倍	9	9	開設科目數2~3倍	21	21	開設科目數2~3倍	18	18		
修學 minimu credits	至少需選 分/學時 M elective required semester		0	0	0	0		3	3	3	3		3	3		3	3		9	9		9	9	30	30
		·/學時小計 ·Cradita/Hour	18	19	17	18		14	16	13	14	1	10	10		8	8		9	9		9	9	98	103
潛能課	程:		分 1. G	 eneral Education Learning Passpor			ı	I	<u> </u>	1		4. 校外實習:最多 21 學分 6.Field Prac	ctice: U ₁	p to 21	credits		1	I						—	+
至多30				ub Development: Up to 6 credits 為本類課程應修學分 5. Course and	interden	artmental	l interest electives: un to credi	ts require	ed for th	his type of courses		5. 潛能課程相關課程詳細規定請參考「	吳鳳科	技大學	潛能課程修課要點」辦理	• 7. P	ease ref	er to "Key Points of Potentia	al Cours	ses of W	Jufeng University of Science a	nd			
	l courses: credits	- 1 - ハマッハベゼラ	-n. y "	v i Antiperioria in a conso min		u	ap to credi	equil	_ 101 ti	VF															

	最低學分/學時 of Required Credit/Hour	19 20		16 1	20	21		16	16	12		12	13	13		12	12	128	1	33
共同選修 Common Elective																				

備註/Notes:

- 一、校基本要求/Basic requirements of the university:
- 1.語文能力門檻:依據「吳鳳科技大學學生英文能力畢業門檻實施要點」相關規定辦理。
- Language Proficiency Threshold: It shall be handled according to the implementation of "WuFeng University Students' English Proficiency Requirements for Graduation Threshold."
- 2.資訊能力門檻:依據「吳鳳科技大學學生資訊能力畢業門檻實施要點」,非資訊系(科)至少通過一種資訊基本能力認證測驗;資訊系(科)至少需通過兩種資訊能力認證測驗。
- Information Capability Threshold: According to the implementation of "WuFeng University students' information tests. Students of non-information test. Students of the information department must pass at least two information proficiency certification tests.
- 二、院基本要求/Basic requirements of the college:
- 1.學院必修科目為:微積分、電腦實務與程式應用、創意發明與智慧財產權。學生必須修習及格。
- The compulsory subjects of the colleges: Calculus, Computer practice and programe application, Creativity and Intellectual Property Right. Students must pass these courses.
- 三、系所基本要求/Basic requirements of the department:
- 1.畢業學分數要求:至少需取得128學分方可畢業,其中包括(1)核心素養科目18學分(2)公民素養科目4學分(3)學院共同必修4學分(4)專業必修科目42學分(5)專業選修科目30學分(6)學程、跨系興趣選修與潛能課程30學分。

Graduation credit requirements: At least 128 credits are required to graduate, including (1) 18 credits of core literacy subjects (2) 4 credits of common compulsory courses in the college (4) 42 credits of professional elective courses (5) 30 credits for professional elective courses (6) 30 credits for academic courses, cross-department interest electives and otential courses.

- 2. 各年級各學期修習學分數規定:(1) - 年級:16 25 學分。(2) 年級:14 25 學分、(3) 四年級:9 25 學分。
- $Regulations \ on the \ number \ of \ credits \ for \ each \ grade \ and \ semester: (1) \ From \ first \ to \ second \ year: 16~25 \ credits. (2) \ Third \ year: 14~25 \ credits, (3) \ Forth \ year: 9~25 \ credits.$
- 3.校外實習須符合「吳鳳科技大學學生校外實習課程實施要點」據以認定實習成績。
- 四、其他說明/Other remarks
- 1.*表示需使用電腦課程。
- Indicates that a computer course is required.
- 2.本系可因應計劃和產業需求修改選修課。 The department may modify elective courses according to the needs of the program and industry.
- 五、訂(修)定歷程/Booking (Revised) History:
- 1. 113.07.10 人工智慧無人機科技系第112學年度第二學期第1次課程委員會通過;113.08.12安全工程學院113學年度第一學期第 1次課程委員會通過;113.09.06 113學年度第一學期第1次校課程委員會通過。
- 113/07/10 Department of AI UAS Technoology 113 academic year 2nd semester, adopted by the 1 Curriculum Committee conference; 113/08/12 113 academic year 1nd semester, adopted by the 1 Curriculum Committee conference.