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 (114學年度入學學生適用)

The Curriculum Framework for the Four-Year Bachelor Program of the XX Department at WuFeng University for the 113 Academic

				ľK	101	r the Four-Your-Your-You				grai	II C		_			eng	Uľ					III C			
(Categories of Courses) 科目類別	第一	第二學年(Second Academic Year)					第三學年(Third Academic Year)												小t						
tegor Cours	上(First Semes 科目	ster) 學分	下(Second Sei 時數 科目	_) 時數	上(First Semest 料目	er) 學分	時數	下(Second Semes 科目	ter) 學分	時熱	上(First Semes 料目	ter) 學分	陆松	下(Second Semes 料目		時數	上(First Semes 料目	ter) 學分	店數	下(Second Semes 科目		時數	subto	_
別 es)	Course Title	子分 Credit		子分 Credit	Hour	Course Title	य∓ आ Credit			子刃 Credit	Hour	Course Title	子刃 Credit	Hour	Course Title	子分 Credit	Hour	Course Title	子刃 Credit			子分 Credit	Hour (子刃 Credit	Hour
	英文(一)/English (I)	3	3 英文(二)/English (II)	3	3	安全教育/Safety Education	1	1																	
(Core Literacy) 核心素養	文學賞析與習作 /Appreciation & Composition of Chinese	2	語文能力表達/The ability of Expression in Chinese Language	2	2	專業倫理/Professional Ethics	1	1																	
	<u>Literature</u> 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 to Creativity & IPR	1	1																	
	勞作教育/Labor	1	1			IPK																			
	Education 小計/subtotal	8	8	7	7		3	3		0	0		0	0		0	0		0	0		0	0	18	18
(Civic L									公民素養(一)/Civic Literacy (I)	2	2	公民素養(二)/Civic Literacy(Ⅱ)	2	2											
素Literad	小計/subtotal	0	0	0	0		0	0		2	2		2	2		0	0		0	0		0	0	4	4
(Course d required the colle	微積分/Calculus	2	電腦實務與程式應用 2 */Computer pratice and programe application	2	2																				
ed by lege)	小計/subtotal	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	無人機組裝與維護保養/UAV assembly and maintenance	2	3	定異機應用與實務/Fix wing drone applications and practice	2	3	實務專題(一)/Practice topic	1	1	實務專題(二)/Special Projects (II)	1	1								
(Courses	人工智慧導論*#/Introduction to AI*#	2	2 基本電學/Basic electricity	1	1	遙等控系統概論*/ Introduction to Remote Control System	2	2	大數據理論與實務(一)*#/ Big Data Theory and Practice(I)	3	3	大教據理論與實務(二)*#/ Big Data Theory and Practice(II)	2	2	技術報告撰寫*/Technical Report Writing	2	2								
s required by the lepartment) ;專業必修	航空概論/Introduction to Aviation	2	Python 程式設計概論 *#/Introduction to Python Programming*#	3	3	機器學習概論*#/Machine learning priciple	2	3	鑑別式AI與生成式AI概論 #/Introduction to Discriminative AI and Generative AI#	2	2	AI應用規劃師實務(一)#/AI Application Planner Practice(2)#	2	2	AI多模式工具實務*#/ AI Multimodal Tools in Action*#	2	2								
	航空法規與倫理/Aviation regulations and ethics	2	電腦繪圖與3D列印實務 */Computer graphics and 3D printing practice*		3	初階專業英文Professional English (I)	1	1	進階專業英文Professional English (II)	1	1														<u> </u>
	小計/subtotal	8	9	8	10		7	9		8	9		5	5		5	5		0	0		0	0	41	47
必修小計/5	Subtotal, Compulsory	18	19	17	_		10	12		10	11		7	7		5	5		0	0		0	_	67	73
						作業風險管理/ Operationa risk management	3	3	深度學習概論*#/ Deep learning practice	3	3	感測器理論與實務##/Sensor theory and practice	3	3	AI應用規劃師實務(二)/AI Application Planner Practice(2)#	2	2	人工智慧安全與倫理 #/Artificial Intelligence Safety and Ethics#	3	3	智慧監測系統實務*/ Smart monitoring system practice	3	3		
(Elec						空拍與影片製作/ Aerial photography and video production	3	3	無人機遙測影像分析實務 */UAV telemetry image analysis practice	3	3	無人機測繪實務/Drone Surveying Practice	3	3	C 程式设计實務*#/C Programming Practice	3	3	碳盤查實務/Carbon inventory practice	3	3	VTOL無人機系統應用/ VTOL UAV System Application	3	3		<u> </u>
(Elective c						直升機應用與實務/ Helicopter Applications and Practice	3	3	FPV操作實務/FPV operation Practice	3	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		
系 專																		校外實習(一)/Practical	3	3	校外實習(五)/Practical	3	3		
要 es of																		Training(1) 校外實習(二)/Practical	3	3	Training(5) 校外實習(六)/Practical	3	3		_
選 修				1														Training(2) 校外實習(三)/Practical	3	3	Training(6) 校外實習(七)/Practical	3	3		
dep					1													Training(3) 校外實習(四)/Practical	3	3	Training(7)	Ů			_
artm				+	1									 			 	Training(4)	- 0	J					_
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		0	0	0	0		3	3		3	3		3	3		3	3		9	9		9	9	30	30
	分/學時小計 al, Credits/Hour	18	19	17	19		13	15		13	14		10	10		8	8		9	9		9	9	97	103
潛能課程:	1	分 1. Ge	neral Passport: Up to 4 credi	ts	-							5. 潛能課程相關課程詳細	規定請	李孝	· 「吳鳳科技大學學程、跨領	域選例	多、校	■ 外實習與潛能課程修課要	點」。:	5. Plea	se refer to "Wufeng Universi	ity	ı		_
至多30學分 Potential courses: up	3. 學程與跨領域選修:	最多為:	b Development: Up to 4 cred 本類課程應修學分 3. Course eld Practice: Up to 18 credits	and inter	rdepartm	nental interest electives: up to credits r	equired fo	r this ty	pe of courses			Regulations on Academic P	Program	is, Cro	ss-Disciplinary Electives, Off	-Camp	us Inte	rnships, and Potential Cours	es".						
	· 果程學分/學時建議	2	2	2	2		2	2		7	7		6	6		4	4		4	4		4	4	31	31
	ourse credit/credit hour 《最低學分/學時	20	21	19	21		15	17		20	21		16	16		12	12		13	13			13	128	134
	of Required Credits/Hour			1 17		1	1.0			20						1.4	12	ı	13	1.5		1.5	1.0	120	1.54

1. 「全民國防教育軍事訓練」課程有五大領域:(一)國際情勢(二)國際政策(三)全民國防(四)防衛動員(五)國防科技。
2. 各領域均為 0學分/2學時,可折核役期。各領域每學期間設情況,均依當學期教務處公告為準。
3. The "National Defense Education and Military Training" course has five areas: (1) International Situation (2) National Defense Policy (3) National Defense (4) Defense Mobilization (5) National 2, O credity 2, class hours in all fields, which can be deducted for service period. The courses of each semester are subject to the

備註/Notes:

- · 、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。

- Information Capability Threshold: According to the implementation of "WuFeng University students' information capability requirements for graduation threshold." Students of non-info 、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 college: Calculus, Computer practice and programe application, Creativity and Intellectual Property Right. Students must pass the courses.
- 、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、跨系與趣選修與潛能課程30學分。
- Graduation credit requirements: At least 128 credits, including (1) Core Literacy Courses: 18 credits (2) Civic Literacy Courses: 4 credits (3) The common compulsory subjects of the colleges: 00 credits (4) Professional compulsory courses: 00 credits (5) Professional elective courses: 00 credits (6) A maximum of 30 credits are recognized for courses, 2.各年級各學期修習學分數規定:(1)-~二年級:16~25學分。(2)三年級: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.校外實習源符合「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。
- The Practical Training must meet the "Implementation of WuFeng University Students' Practical Training Course" to determine the internship results. 4、其他說明/Other remarks

- 1.*表示常使用電腦課程。AI相關課程,請以#表示。實務課程,請以「黃色」填滿色彩表示。邏輯程式設計,請以「淺綠色」填滿色彩表示。 * Indicates that a computer course is required. AI courses are represented by #. Practical courses are indicated in "yellow". Logic programming courses are shown in "light green".
- 五、訂(修)定歷程/Booking (Revised) History:

14.06.10 人工智慧無人機科技系113學年度第2學期第1次課程委員會通過;114.xx.xx OO學院113學年度第2學期第X次課程委員會通過;114.xx.xx 114學年度第1學期第1次校課程委員會通過。 14/06/10 Department of AI UAS Technoology 113 academic year 2nd semester, adopted by the 1st Curriculum Committee conference. 114/xx/xx 113 academic year nd semester, adopted by the College of XXX Curriculum Committee conference. 114/XX/XX 114 academic year 1st semester, adopted by the 1st Curriculum Committee conference.