## 中國文化大學 理工學院 機械工程學系 必修科目表

114 學年度起入學新生實施

										1					年度起入學新生實
必修	科	目 名 稱			規定 一年級			二年		三年		四年級		備 註	
類別		<u> </u>	<i>.</i>	7117		學分	上	下	上	下	上	下	上	下	
通	國文 外文:閱讀	的貼台	生 (	<u> </u>		3	1.5	1.5							五種語言選一
戠	外文:閱讀			<u>ー)</u> ニ)		3	1.3	1.3	1.5	1.5					_五種語言選一 
,	跨域專長		•			12			6	6					
科	人文學科領 社會科學領					4	4	4	0	2					
目	自然科學與	數學包	頁域			2	7	7	0	2					
共同	體育	•				0	0	0	0	0					
科目 通識及共同必修學分合計				32	7.5	7.5	7.5	9.5							
	(2021)微積					6	3	3	7.00	7.00					
•	(2026)普通华		:			6	3	3							
	` ' '	2027)普通物理實驗				2	1	1							
		22)應用力學				4	2	2							
		6030)機械製造				3	3								
業	(6043)工廠實習				1	1									
	(6003)工程					6	1		3	3					
	, , ,		與			4			2	2					
	(6026)熱力を	73)電輔工程圖學				3			3						
	(6029)材料;					3			3						
必	(6002)洞科》					2			2						
	(2126)應用等					2				2					
	(6023)機動學					3				3					
										3					
15	(6158)機械材					3									
',	(E523)電工		-177			1				1					
	(6031)機械記	- ' '	理			4					2	2			
	(6058)電機材					2					2				
	(6118)自動技	動控制				3					3				
科	(6025)流體力學				3					3					
	(D986)機械	0986)機械材料實驗				1					1				
	(6033)熱傳學				3						3				
	(8800)熱流實驗				1						1				
	(C696)專題	研究與	實	作I		1						1			
目	(C697)專題	研究與	寶	作II		1							1		
專	業 必 修	學	分	合	計	68	13	9	13	14	11	7	1	0	
必	修學	分		總	計	100		16.5	20.5	23.5	11	7	1	0	
•		業	學	分	數	135 學	分								
<u> </u>	<u> 多業規定:</u>	通温/	스 다	: 語 至 ·	力払	定,仕	木坎	┌╁╽	县山区	<b>5</b>	1 社	争力よ	合定量	宇松並	
全球競	竞争力檢定			-		足,似網頁。						す 刀 作	双尺员	1. 10071	T仏」が生~計》
						中華文化專題」,依本校「職業倫理教育實施要點」及「中華文化專題講座實									
冊注記	<b>不</b> 任					資訊請參									F 111 2
全人學	學習護照					.各項學 ·考課外		-					-		隻照實施辦法」第
		上生 / 言	十洲	9月 計	明多	' 5	伯虭	紐約	只「	ups./	/ activi	iry.pcc	u.cul	a.tW/	

## Chinese Culture University, Required Courses List, Department of Mechanical Engineering

Effective for Students Enrolled in and from the 2024 Academic Year

		1									demic Yea
Categories for		Credit	1st	Year	2nd	Year	3rd	Year	4th	Year	
Compulsory	Course Title	Hours	l 1st	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	Remark
Courses		Hours	(Sep)	(Feb)	(Sep)	(Feb)	(Sep)	(Feb)	(Sep)	(Feb)	
Required Cours	es										
	CHINESE	4	2	2							
	FOREIGN LANGUAGE										
	READING AND	3	1.5	1.5							Choose
	CONVERSATION(1)										1 of 5
General	FOREIGN LANGUAGE READING AND	3			1.5	1.5					Courses
Required	CONVERSATION(2)	3			1.5	1.5					
Courses	INTERDISCIPLINARY	10									
Courses	PROGRAM	12			6	6					
	ART AND HUMANITIES	4									
	NATURAL SCIENCES AND	4	4	4	0	2					
	MATHEMATICS				U						
	SOCIAL SCIENCES	2									
Common	PHYSICAL EDUCATION	0	0	0	0	0					
Courses	THI SICAL LIBOCATION	U	U	U	U	U					
Total General and	Common Courses Credits	32	7.5	7.5	7.5	9.5					
	(2021) Calculus	6	3	3							
	(2026) General Physics	6	3	3							
	(2027) General Physics										
	LAB.	2	1	1							
	(6022) Applied Mechanics	4	2	2							
	(6030) Manufacturing										
	Processes	3	3								
	(6043 Machine Shop Practice	1	1								
		1	1								
	(6003) Engineering Mathematics	6			3	3					
	(7173) Computer Aided	4			2	2					
	Engineering Graphics	2			2						
	(6026) Thermodynamics	3			3						
	(6029) Mechanics of	3			3						
	Materials										
Required	(6002) Electrical Circuit	2			2						
Courses by	Theory				_						
Department	(2126) Applied Electronics	2				2					
	(6023) Kinematics	3				3					
	(6158) Engineering										
	Materials for Mechanical	3				3					
	Engineers										
	(E523) Electrical	1				1					
	Engineering Laboratory	1				1					
	(6031) Elements of Machine	4					2	2			
	Design	4					2	2			
	(6058) Electrical Machinery	2					2				
	(6118) Automatic Control										
	Theory	3					3				
	(6025) Fluid Mechanics	3					3				
	(D986) Materials Teseing										
	Laberatory for Mechanical	1					1				
		1					1				
<u>[</u>	Engineers										L

Categories for		Cuadia	1st Year		2nd Year		3rd Year		4th Year				
Compulsory Courses	Course Title	Credit Hours	1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	1st semester (Sep)	2nd semester (Feb)	Remark		
	(6033) Heat Transfer	3						3					
	(8800) Thermal and Fluid	1						1					
	Experiments	1						1					
	(C696) Research Project	1						1					
	and Implementation (I)	1						1					
	(C697) Research Project and	1							1				
	Implementation (II)	68											
Total Credits of Required Subjects			13	9	13	14	11	7	1	0			
Total Required	100	20.5	16.5	20.5	23.5	11	7	1	0				
Graduate Cred		135											
Other provisions of graduate requirements:													
	Passing the "Implementation Measures for the Global Competitiveness Assessment of												
Global University Students" is mandatory for graduation. Visit the website of the F							the Re	ne Registration					
competitiveness	Section for more information	tion.											
	https://reg.pccu.edu.tw/												
Professional	According to the university's 'Implementation Guidelines for Professional Ethics												
Ethics/	Education' and 'Implementation Guidelines for Chinese Culture Topics Lectures,' students												
Special Topics	are required to participate in two-semester courses: 'Professional Ethics' and 'Chinese												
in	Culture Topics.' For detailed information, please refer to the website of the Curriculum												
Chinese	Section:												
Culture	https://cur.pccu.edu.tw/												
	To fulfill the Whole Person Learning Passport requirements, students must actively												
Whole Person	participate in various learning activities. These activities are organized in accordance with												
Learning	our university's guidelines for the Whole Person Learning Passport. For more detailed												
Passport	information, please visit the website of the Extracurricular Activities Section at												
https://activity.pccu.edu.tw/."													