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## ②图 i 東華大學 教學計劃表 Syllabus

		<b>秋</b> 与	一可則仪	Syll	abus					
	名稱(中文) ame in Chinese 微積分(二)						er 113/4			
	名稱(英文) me in English	Calculus (II)								
	-目代碼 rse Code	AM10800	,	應用數學系						
	修別 Type	學程 Program 學分數/時間 Credit(s)/Hour(s) 3.0/3.0								
	課教師 tructor	/官彥良								
	先修課程 Prerequisite									
課程描述 Course Description										
內容包含積分技巧,級數,多變數函數的極限、微分、積分 及它們的應用 Topics include techniques of integration, Series, the Limit of a Function of several variables, The Differentiation of a Function of several variables, The Integral of a Function of several variables and their application										
		課	程目標 Cours	e Objecti	ives					
Same as Calculus(I)										
	Cor Co	課程目標與院基本素 養與核心能力 Correlation between Course Objectives and Basic Learning Outcomes								
A reason	reasoning, analytical and problem-solving skills.									
БІ	具備中外語言表達溝通技巧,以養成團隊合作的能力。Ability to express ideas and communicate in Chinese and foreign languages and teamwork skills.									
C 具備終	C 具備終身學習的能力。Lifelong learning ability.									
圖示說明[]	llustration :	● 高度相關 Hi	ghly correla	ted 〇中	度相關 Moderately	corre	lated			
授課進度表 Teaching Schedule & Content										
週次Week	次Week 內容 Subject/Topics						備註Remarks			
1	1 進度: 8.1, 8.2									
2	2 進度: 8.3, 8.4									
3	3 進度: 8.5 8.8									
4	4 進度: 8.8, 9.1									
5	5 進度: 9.2, 9.3									
6	6 進度: 9.4, 9.5									
7	7 進度: 9.6, 9.7									
	·									

8

進度: 9.8,

9.9

10 進度: 9.10, 13.1   11 進度: 13.2, 13.3							
11 進度: 13.2, 13.3							
12 進度: 13.3, 13.5							
13 進度:13.6,13.7							
14 進度: 13.7, 13.8							
15 進度: 13.10, 14.1							
16 進度: 14.2, 14.3							
17 進度: 14.3, 14.8							
18 Final Exam							
教學策略 Teaching Strategies							
課堂講授 Lecture 分組討論Group Discussion 參觀實習 Field Trip							
其他Miscellaneous:							
教學創新自評Teaching Self-Evaluation							
創新教學(Innovative Teaching)							
問題導向學習(PBL) ■ 團體合作學習(TBL) ■ 解決導向學習(SBL)							
翻轉教室 Flipped Classroom							
社會責任(Social Responsibility)							
在地實踐Community Practice							
跨域合作(Transdisciplinary Projects)							
■ 跨界教學Transdisciplinary Teaching ■ 跨院系教學Inter-collegiate Teaching							
■ 業師合授 Courses Co-taught with Industry Practitioners							
其它 other:							

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例 Percentage	多元評量方式 Assessments							
Items		測驗 會考	實作 觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績(含出缺席) General Performance (Attendance Record)									
期中考成績 Midterm Exam	50%								
期末考成績 Final Exam	50%								
作業成績 Homework and/or Assignments									
其他 Miscellaneous									

評量方式補充說明

Grading & Assessments Supplemental instructions

## 教科書與參考書目(書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

Ron Larson and Bruce Edwards, Calculus 12e Metric version

## 課程教材網址(含線上教學資訊,教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.

Personal website can be listed here.)

GoogleClassroom 連結:https://classroom.google.com/c/NzczNDM2MTE3MTUz?cjc=j12fp4ee

其他補充說明(Supplemental instructions)