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②園支東華大學 計劃表 Syllabus 教學計劃表

		教学	声計劃表	Sylli	abus					
	稱(中文) e in Chinese	分析導論			學年/學期 Academic Year/Sem	ester	ster 112/1			
	稱(英文) e in English	Introduction to Analysis								
	目代碼 se Code	AM58000	,	應用數學系						
	多別 Ype	必修 Required	0/3.0							
	果教師 ructor	/王昆?								
	多課程 quisite									
		課	程描述 Cours	e Descript	tion					
 review some subjects in set theory; metric spaces; completeness; compactness; connectedness. 										
There are homeworks every week including presenting these in class.										
				se Objecti	ives					
本課程主要目標以為高等數學分析課程或是相關課程之基礎。 Provide a smooth transition from college analysis to more advanced courses in analysis.										
٥										
条專業能力 Basic Learning Outcomes							課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education			
. 具備專業數學知識及邏輯推理能力。Have well-founded expertise in mathematics and be							Objectives			
A capable	e of logical reas	soning.					•			
	習其它學科的能力 e so as to conduc									
U 具備獨立思考與解決問題的能力。 Be capable of independent thinking and have the problem-solving skills.							0			
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated										
授課進度表 Teaching Schedule & Content										
週次Week 內容 Subject/Topics					,	備註Remarks				
1 1	review set theo	ory								
2 1	2 review set theory									
3 1	3 review set theory									
4 review set theory										

5

metric spaces

6	metric spaces							
7	completeness							
8	completeness							
9	期中考試週 Midterm Exam							
10	compactness							
11	compactness							
12	compactness							
13	compactness							
14	connectedness							
15	connectedness							
16	connectedness							
17	connectedness							
18	期末考試週 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 ■ 磨課師 Moocs								
社會責任(Social Responsibility)								
■ 在地實踐Community Practice ■ 産學合作 Industy-Academia Cooperation								
一 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 General Performance									
期中考成績 Midterm Exam	30%	>							
期末考成績 Final Exam	40%	>							
作業成績 Homework and/or Assignments	30%		~						
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.) lecture notes will be provided (pdf file).

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.)

其他補充說明(Supplemental instructions)