



教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	應數專論AB		學年/學期 Academic Year/Semester	114/2
課程名稱(英文) Course Name in English	Topics in Applied Mathematics			
科目代碼 Course Code	AM_4000AB	系級 Department & Year	學三	開課單位 Course-Offering Department
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)	3.0/3.0	
授課教師 Instructor	/曾玉玲			
先修課程 Prerequisite				
課程描述 Course Description				
<p>本課程目的為訓練本系學生應數各專業的溝通能力：應數專論＝專業討論應數的能力培養課程。 上課方式主要以修課學生上台專業講解各自所選的應數系任一課程教授內容、結果。學生可以選以任務小組方式進行比較深廣的定理、概念整體的呈現。 鼓勵上台講解，學期表現以上台次數、講解條理分明與否為標準。</p>				
課程目標 Course Objectives				
<p>由任課教師專長區分(如數值、微分方程等)，設定個別目標。 Topics chosen by the teaching professor</p>				
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	introduction to this course			
2	discussion on selected questions by students or the instructor			
3	discussion on selected questions by students or the instructor			
4	discussion on selected questions by students or the instructor			
5	discussion on selected questions by students or the instructor			
6	discussion on selected questions by students or the instructor			
7	discussion on selected questions by students or the instructor			
8	discussion on selected questions by students or the instructor			
9	期中考試週 Midterm Exam			
10	discussion on selected questions by students or the instructor			
11	discussion on selected questions by students or the instructor			
12	discussion on selected questions by students or the instructor			
13	discussion on selected questions by students or the instructor			
14	discussion on selected questions by students or the instructor			
15	presentations			

16	presentations	
17	presentations	
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: 營造一個上課氣氛，讓學生期待每次上台的機會

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
 產學合作 Industry-Academia Cooperation

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 Items	配分比例 Percentage	多元評量方式 Assessments							
		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)	80%			✓					
期中考成績 Midterm Exam	0%								
期末考成績 Final Exam	20%			✓					以投影片方式講述
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.)

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)