



教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	微積分(二)			學年/學期 Academic Year/Semester	113/2
課程名稱(英文) Course Name in English	Calculus(II)				
科目代碼 Course Code	MSF_10010	系級 Department & Year	學一	開課單位 Course-Offering Department	應用數學系
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)		3.0/3.0	
授課教師 Instructor	/黃灝勻				
先修課程 Prerequisite					
課程描述 Course Description					
Ch 6 Techniques of Integration Ch 7 Functions of Several Variables Ch 8 Trigonometric Functions Ch 9 Probability and Calculus Ch10 Series and Taylor Polynomials Ch11 Differential Equations **"Cheating, including using cell phones or other electronic devices during exams, is strictly prohibited. If caught, the exam score will be **zero (0)**. Make-up exams or homework will only be provided if the student has requested a leave in advance with a justifiable reason."**					
課程目標 Course Objectives					
The purpose is to facilitate the students with tools in higher mathematics for later use in finance courses.					
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	Ch 5 Integration and Its Applications				
2	Ch 6 Techniques of Integration Quiz 1				
3	Ch 6 Techniques of Integration				
4	Ch 7 Functions of Several Variables Quiz 2				
5	Ch 7 Functions of Several Variables				
6	Ch 7 Functions of Several Variables Quiz 3				
7	Ch 7 Functions of Several Variables				
8	Ch 7 Functions of Several Variables				
9	期中考試週 Midterm Exam				
10	Ch 8 Trigonometric Functions				

11	Ch 8 Trigonometric Functions	
12	Ch 9 Probability and Calculus Quiz 3	
13	Ch 9 Probability and Calculus	
14	Ch10 Series and Taylor Polynomials Quiz 4	
15	Ch10 Series and Taylor Polynomials	
16	Ch11 Differential Equations Quiz 5	
17	期末考試週 Final Exam	
18	Review your final exam score and overall grade.	

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
 ☐ 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 General Performance	30%	✓							
期中考成績 Midterm Exam	35%	✓							
期末考成績 Final Exam	35%	✓							
作業成績 Homework and/or Assignments									
其他 Miscellaneous (_____)									
評量方式補充說明 Grading & Assessments Supplemental instructions									
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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.)									
Larson-Calculus: An Applied Approach (Metric Edition)									
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)									