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②國玄東華大學

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 學一 & Year		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	/黄灏勻					
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
- Chll 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	Chll 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					
其他Mis	scellaneous:					
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						
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						
	授 Courses Co-taught with Industry Practitioners					

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例	多元評量方式 Assessments							
Items	Percentage	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)	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)