



## 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	114/2
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 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	/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		
3	Ch 6 Techniques of Integration		
4	Ch 7 Functions of Several Variables Quiz 1		
5	第一次期中考 Midterm Exam I		
6	Ch 7 Functions of Several Variables		
7	Ch 7 Functions of Several Variables		
8	Ch 7 Functions of Several Variables		
9	Ch 7 Functions of Several Variables Quiz 2		
10	第二次期中考 Midterm Exam II		
11	Ch 8 Trigonometric Functions		

12	Ch 9 Probability and Calculus	
13	Ch 9 Probability and Calculus	
14	Ch10 Series and Taylor Polynomials	
15	Ch10 Series and Taylor Polynomials Quiz 3	
16	期末考試週 Final Exam	
17	Review your final exam score and overall grade.	
18		

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:

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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)	10%	✓							
期中考成績 Midterm Exam	60%	✓							
期末考成績 Final Exam	30%	✓							
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)