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國立東華大學
 教學計畫表 Syllabus

課程名稱(中文) Course Name in Chinese	微積分(二)			學年/學期 Academic Year/Semester	112/2
課程名稱(英文) Course Name in English	Calculus(II)			授課教師 Instructor	Huai-Jie yao
科目代碼 Course Code		系級 Department & Year		開課單位 Course-Offering Department	
修別 Type	☐ 必修 Required ☐ 選修 Elective ☐ 學程 Program	學分數/時數 Credit(s)/ Hour(s)		3	
先修課程 Prerequisite					
課程描述 Course Description	In this course, students are expected to know: (1) Antiderivatives. (2) Integrals and techniques of Integration. (3) Differential Equations. (4) Sequences, Series, and Power Series. (5) Partial Derivatives. (6) Lagrange Multipliers. (7) Multiple Integrals. *** This course will be taught in English ***				

授課進度表 Teaching Schedule & Content		
週次 week	內容 (Subject/Topics)	備註 Remarks
1	Antiderivatives: Ch 5	
2	Integrals: Ch 5	
3	Integrals: Ch 5	
4	Integrals: Ch 5	
5	Integrals: Ch 5 and CH 6	
6	Integrals: Ch 7	
7	Integrals: Ch 7	
8	Differential Equations: Ch 9 Polar Coordinates: Chapter 10	
9	期中考試週 Midterm Exam	
10	Sequences, Series, and Power Series: CH 11	
11	Sequences, Series, and Power Series: CH 11	
12	Sequences, Series, and Power Series: CH 11	
13	Sequences, Series, and Power Series: CH 11	

14	Partial Derivatives: CH 14	
15	Partial Derivatives: CH 14	
16	Multiple Integrals: CH 15	
17	Multiple Integrals: CH 15	
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 ☐ 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 其他 Others:	

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		▼							
期中考成績 Midterm Exam	30%	▼							
期末考成績 Final Exam	30%	▼							
作業成績 Homework and/or Assignments	40%								
其他 Miscellaneous ()									
評量方式補充說明 Grading & Assessments Supplemental instructions Integration theory has much to do with differentiation. It is recommended that you review basic differentiation techniques when the semester begins.									

評量方式補充說明

Integration theory has much to do with differentiation. It is recommended that you review basic differentiation techniques when the semester begins.

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.)
Calculus: Early Transcendentals, 9/e (Metric Version) by James Stewart, Daniel K. Clegg, Saleem Watson , Lothar Redlin
課程教材網址（教師個人網址請列在本校內之網址）
Teaching Aids & Teacher's Website (Personal website can be listed here.)
https://classroom.google.com/c/NjIxNjQ1MjUyMzM3?cjc=3qmzsyw
其他補充說明（Supplemental instructions）