

Kainan University ■ Spring Department of Business Administration Course Schedule

CRN	Course title	Instructor	Subject	grade	Credits	Hours per week
C101010102	Chinese : 微積分(下)	Feng-Chin Chen	required	一年 A 班	3	3
C151010102	English : Calculus(II)	Course prerequisites	no			
Teaching goal and content	The teaching goal and content are describing the basic concepts of differentiation and integration. Further, exploring the application on business and economics. For instance : optimization problems, marginal analysis, annuity, present value, future value, capital accumulate, <i>Consumers'</i> surplus and <i>producers'</i> surplus, and so on.					
Teaching Methods	<input checked="" type="checkbox"/> Lecture • <input checked="" type="checkbox"/> practical training • <input type="checkbox"/> discussion • <input type="checkbox"/> question-and-answer • <input type="checkbox"/> others () •					
Grading and evaluation criteria	Midterm 25% • final 25% • Class participation 25% • others (25%) grade <input type="checkbox"/> <input type="checkbox"/> % •					
Textbooks	(Author • Title • edition • publisher • publishing place • publishing year • from page to page in sequence) • Geoffrey C. Berresford, Andrew M. Rockett, Brief Applied Calculus,3/e, Houghton Mifflin Company, Boston, New York,2006.					

Subject introduction (including outline and course schedule) :

Course schedule :

week	Subject	week	Subject
1	Exponential Functions	10	<i>Consumers'</i> surplus and Income Distribution
2	Logarithmic Functions	11	Integration by Substitution
3	Differentiation of Logarithmic and Exponential Functions	12	Integration by Parts
	Relative Rates and Elasticity of Demand	13	Improper Integrals
5	Antiderivatives and Indefinite Integrals	14	Numerical Integration
6	Integration using logarithmic and Exponential Functions	15	Three Models of Growth
7	Definite Integrals and Areas	16	Partial Derivatives
8	Average Value and Area between curves	17	holiday
9	Midterm	18	Final

Instruction :

- The teacher fills in this form before the semester beginning. After verified by the curriculum committee, this form should be copied to give to the conveners who is belong to the same department, the department which the class is belong to, and the office of curriculum planning. Besides, the teacher explains this syllabus to students at the beginning of a semester.
- This form is approved by the curriculum committee at the forth time on April 23rd, 2002

Convener of the curriculum committee :

企管系 李文雄 主任

Teacher : Feng-Chin Chen

系主任	李文雄
主任	李文雄
主任	李文雄

課務組	郭惠珊
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