開南大學 96年度第2學期 風險管理 學系、所、中心科目教學計劃表

科目代碼	科　目　名　稱	授課教師	修別	開課年級	學分數	每週時數
	中文：微積分(下)	許如碩	∨必修 □選修	大一	3	3
	英文：Calculus	先修課程	None			

教學目標與內容	《課程簡介》 This course is aimed at students who will use calculus as a "tool" in their future academic life. Topics studied include : basic limits and continuity theories, derivatives and its applications, integrations and its applications, series and Taylor polynomials and , if time allows, calculus of several variables.
實施方法	∨講解法。　□實作法。□討論法。　□演習法。　□問答法。　□其他（　　　）。
評量方式	期中測驗 30%　。期末測驗 40%　。平時成績 30%　。其他（　　　）成績□□%　。
授課使用及參考書籍	Dennis Berkey: Applied *Calculus* , *Ting Lung Book Co.* 2004. S. L. Salas, and Einar Hille : *Calculus one and several variables,* 3rd edition, John Wiley & Sons., Inc., 1987.

科目簡介(可含大綱及教學進度)：

Chp.I Functions, Limits and Continuity

Chp.II Differentiation

Chp.III Applications of the Derivative

Chp.IV Derivatives of Exponential and Logarithmic Functions and Trigonometric Functions

Mid-Term Exam

Chp.V Applications of the Derivative (Mean Value Theorem and the Geometric properties of a function)

Chp.VI L'Hopital's Rule

End of the 1st Semester

Chp.VII Indefinite Integrals(Techniques of Integration and Integration of Trigonometric Functions)

Mid-Term Exam

Chp.VIII Definite Integrals and Improper Integrals

Chp.IX Applications of the Integration

Chp.X Series and Taylor Polynomials

Chp.XI Functions of Several Variables

授課教師：許如碩

課務組
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收文章