

開南大學 95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
10801032	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	<p>《課程簡介》</p> <p>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.</p>					
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	<p>Alex Himonas and Alan Howard: <i>Calculus Idea &amp; Applications</i>, John Wiley &amp; Sons, Inc., 2003.</p> <p>S. L. Salas, and Einar Hille : <i>Calculus one and several variables</i>, 3rd edition, John Wiley &amp; Sons., Inc., 1987.</p>					
科目簡介(可含大綱及教學進度)：	<p>Chp.I Functions, Limits and Continuity</p> <p>Chp.II Differentiation</p> <p>Chp.III Applications of the Derivative</p> <p>Chp.IV Derivatives of Exponential and Logarithmic Functions and Trigonometric Functions</p> <p style="text-align: center;">Mid-Term Exam</p> <p>Chp.V Applications of the Derivative (Mean Value Theorem and the Geometric properties of a function)</p> <p>Chp.VI L'Hopital's Rule</p> <p style="text-align: center;">End of the 1st Semester</p> <p>Chp.VII Indefinite Integrals( Techniques of Integration and Integration of Trigonometric Functions)</p> <p style="text-align: center;">Mid-Term Exam</p> <p>Chp.VIII Definite Integrals and Improper Integrals</p> <p>Chp.IX Applications of the Integration</p> <p>Chp.X Series and Taylor Polynomials</p> <p>Chp.XI Functions of Several Variables</p>					

課程委員會召集人：

授課教師：許如碩

風管系主任許如碩



96. 3. -9

課務組辦事員郭惠珊