

98-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	進階微積分	Serial No. / ID	1720 / FBM1008
Dept.	財務金融學系	School System / Class	大學日間部3年1班
Lecturer	陳建憲	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(二)56 / B207 (四)4 / B207	Language	Chinese

Introduction
Calculus is a subject of differentiation and integration. This advanced course covers functions of several variables, partial derivatives, multiple integrals, and their applications. The goal is to establish students the fundamental notion in Calculus with the ability of analysis, and to train students with the techniques of calculating.

Outline
<ol style="list-style-type: none">1. Techniques and Applications of Integration2. Functions of Several Variables3. Partial Derivatives and Applications of Partial Differentiation4. Multiple Integrals5. Infinite Sequences and Series

Prerequisite
Elementary Geometry, Algebra, and Calculus.