

# 101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	工程數學(一)	Serial No. / ID	1298 / MAV2001
Dept.	機械與自動化工程學系	School System / Class	四技部2年1班
Lecturer	鄭江河	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(二)34 / H339 (四)2 / H339	Language	Chinese

Introduction
Engineering Mathematics (I) is a fundamental course connecting physics and mathematics with practical problems. This course will provide students a thorough understanding of the principle of ordinary differential equations and Laplace transformation. The adequate ability to develop the mathematical model and to analyze the engineering system will be developed.

Outline
<ol style="list-style-type: none"><li>1. Calculus basis</li><li>2. First-Order Differential Equations</li><li>3. Linear Differential Equations of Second and Higher Order</li><li>4. Laplace Transforms</li></ol>

Prerequisite
Calculus