98-1 Preliminary Syllabus, Da-Yeh Univ

Information

Title	( )	Serial No. / ID	1035 / MAI2001
Dept.		School System / Class	2 1
Lecturer		Full or Part-time	
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	( )12 / H439 ( )3 / H439	Language	Chinese

Introduction

Engineering mathematics is an important tool for exploring and resolving engineering problems. The objectives of this course are to expose students to the problems frequently encountered in engineering fields, to make students grasp the fundamental capability of engineering mathematics, and to apply mathematics in mechanical engineering fields. The contents of this course are: 1. Analytical solutions of the first, second and higher order of ordinary differential equations; 2. Laplace transform.

Outline

Unit 1: First-Order ODEs
Unit 2: Second-Order ODEs
Unit 3: Higher Order Linear ODEs
Unit 4: Laplace Transforms

Prerequisite

English reading competence, fundamental mathematics, and calculus.