

# 101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	高等振動學	Serial No. / ID	2093 / MUR5032
Dept.	機械與自動化工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	林海平	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)678 / H466	Language	English

Introduction
Let the students know how to derive the EOM for a system and obtain the solutions.

Outline
<ol style="list-style-type: none"><li>1. Review of Single-Degree-of-Freedom Systems (4W)</li><li>2. Vibration of Discrete Multi-Degree-of-Freedom Systems (4W)</li><li>3. Vibration of Continuous Systems (4W)</li><li>4. Hamilton ' s Principle and Lagrange ' s Equations (4W)</li></ol>

Prerequisite
<ol style="list-style-type: none"><li>1. basic vibration</li><li>2. engineering mathematics (ODE)</li><li>3. basic mechanics</li></ol>