

97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	機械加工控制	Serial No. / ID	1331 / ADR5050
Dept.	機械與自動化工程學系博士班	School System / Class	研究所博士班1年1班
Lecturer	張義芳	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(二)12 / H455 (三)1 / H455	Language	English

Introduction
Provide an understanding of the principle of machining control system such as the follows: 1. Basic concept of the motion control on the machining control system, 2. Basic concept of the adaptive control on the machining control system. 3. Basic concept of the structure of the motion control system, interpolator, trajectory control, error compensation and adaptive control on the machining control system.

Outline
單元主題1. Introduction to machining control system 單元主題2. Architecture of CNC 單元主題3. Position control system 單元主題4. Linear motion 單元主題5. Circular motion 單元主題6. Geometrical control system for Lathe 單元主題7. Turning Force control system 單元主題8. Gap control system for EDM

Prerequisite
Automatic Control, Engineering Mechanics II, Mechanical Manufacturing