朝陽科技大學 096學年度第2學期教學大綱
Reliability Analysis 可靠度分析

當期課號	7163	**Course Number**	7163
授課教師	陳銘芷	**Instructor**	CHEN,MING CHIH
中文課名	可靠度分析	**Course Name**	Reliability Analysis
開課單位	工業工程與管理系碩士班一A	**Department**	
修習別	選修	**Required/Elective**	Elective
學分數	3	**Credits**	3
課程目標	如何分析系統可靠度，包含不同的組件失敗率函數；組合的子系統失敗率探討、整體系統期望壽命之探討，本課程著重以數理基礎來探討系統可靠度、可靠度規格之要求及設計。	**Objectives**	The course covers the theoretical development and application fo reliability. Selected topics include hazard functions, system reliability estimation for parallel or series systems or more complex system, estimation of paraneters of failure time distribution, models for accelerated life testing, warranty and preventive maintenance models.
教材	An Introduction to Reliability and Maintainability Engineering, Charles E. Ebeling, MacGraw-Hill International Editions	**Teaching Materials**	An Introduction to Reliability and Maintainability Engineering, Charles E. Ebeling, MacGraw-Hill International Editions
成績評量方式	期中考 30%, 期末考 30%, 課堂小考遭ㄎ與作業40%	**Grading**	Mid term 30% Final exam 30% Quiz an Homework 40%
教師網頁	http://www.cyut.edu.tw/~mchen/		
教學內容	本課程之目的在於引導研究所同學對可靠度有基本認識，內容包括系統可靠度之分析與各項可靠度試驗之介紹。	**Syllabus**	This is an introductory course on reliability and maintanability engineering.

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