朝陽科技大學 091學年度第2學期教學大綱
Operations Research (1) 作業研究(一)

當期課號	1434	**Course Number**	1434
授課教師	廖經芳	**Instructor**	LIAW,CHING FANG
中文課名	作業研究(一)	**Course Name**	Operations Research (1)
開課單位	工業工程與管理系(四日)二B	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	3	**Credits**	3
課程目標	讓學生學習管理科學領域中常見的確定性計量分析方法，進而培養分析及解決複雜問題之能力。	**Objectives**	Through learning different operation research issues, the students are trained to understand the deterministic approach in operations research and to develop techniques for solving and analyzing relevant problems with mathematical models.
教材	口授、習題演練、筆試	**Teaching Materials**	Lectures, Homeworks, Exams
成績評量方式	1. Quiz(2) 40% 2. Midterm 25% 3. Final 25% 4. Homework 10%	**Grading**	Quiz(2) 40% 2. Midterm 25% 3. Final 25% 4. Homework 10%
教師網頁			
教學內容	本課程旨在探討作業研究領域中各種確定性模式之求解方法，培養學生具備數量性的決策分析技巧。內容包括線性規劃、對偶理論、網路分析、運輸與指派問題及競賽理論。	**Syllabus**	This course intends to provide the needed background to begin to employ mathematical programming as a decision-making tool. It focused on the solution techniques for various deterministic mathematical models. The topics to be covered include linear programming, duality theory, network analysis, transportation and assignment problems, dynamic programming, game theory, integer programming and nonlinear programming.

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