

朝陽科技大學 092學年度第2學期教學大綱
Operations Research 作業研究

當期課號	6029	Course Number	6029
授課教師	李朱慧	Instructor	LEE,CHU HUI
中文課名	作業研究	Course Name	Operations Research
開課單位	資訊管理系(二進)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	作業研究是在探討如何利用有限的資源(人力、物力、財力),使其發揮其最高效能,或是如何以最經濟的成本,有效達成預期之目標。且由於目前電腦提供大量計算的便利,使得作業研究不論在理論或是應用上均益驅普及。課程包含有介紹作業研究的定義、應用範圍、線性規劃、運輸問題	Objectives	This course is about the use of quantitative models to aid in managerial decision making. An emphasis is placed on understanding the management science models and utilizing the results of these models in a way that is meaningful to a decision maker.
教材	觀念與方法以課堂講授為主,加強實務應用與個案研討,並配合應用軟體。	Teaching Materials	This course is about the use of quantitative models to aid in managerial decision making. An emphasis is placed on understanding the management science models and utilizing the results of these models in a way that is meaningful to a decision maker
成績評量方式	期中考: 35分 期末考: 35分 作業: 30分	Grading	Midterm Examination: 35% Final Examination: 35% Homework: 30%
教師網頁	www.cyut.edu.tw/~chlee		
教學內容	1.概論介紹 2.線性規劃與應用 3.線性規劃的敏感度分析 4.單形法 5.目標規劃 6.網路模型 7.決策分析 8.多準則決策分析 9.預測模型	Syllabus	1.Introduction 2.Linear Programming Application 3.Graphical Sensitivity Analysis and Computer Solutions 4.The Simplex Method and Software 5.Goal Programming 6.Network Models 7.Decision Analysis 8.Multi-Criteria Decision Making 9.Forecasting

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