朝陽科技大學 098學年度第2學期教學大綱
Operations Research(2) 作業研究(二)

當期課號	3419	Course Number	3419
授課教師	林淳菁	Instructor	LIN,CHUN CHING
中文課名	作業研究(二)	Course Name	Operations Research(2)
開課單位	產學攜手計畫專班工業工程管理系(四產)二B	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程主旨在教授學生以數量方法解決工程與管理領域內常見的各種機率決策問題，即透過問題之界定，分析模式之建立及求解方法之介紹，培養學生分析及解決複雜問題之能力。爲達學習成效，教授將偏理論基礎並適度配合實例及專案研討。	Objectives	This course introduces stochastic process and its applications to the fields of Management Practices. We start the course with review of Linear Algebra, review of Probability, Linear Programming, and Transportation Model Analysis. Topics include Stochastic process, Markov Chain and its applications, Probabilistic Inventory Models, Queuing Theory and its applications.
教材	作業研究(第11版)， Anderson, Sweeney, and Williams著，林張群、陳可杰譯，滄海書局	Teaching Materials	An introduction to management science by Anderson, Sweeney and Williams
成績評量方式	期中考20% 期末考30% 小考、期末報告及出席成績 50%	Grading	Midterm 20% Final 30% Quiz, report,Attandance 50%
教師網頁	_		
教學內容	包括線性規劃、運輸問題、網路模式及專案排程等主題.透過數學模式之建立及電腦軟體應用等方式,培養學生相關領域之最新知識,與解決問題之能力.	Syllabus	The topics to be discussed include linear programming, transportation, network and PERT/CPM. The objective of this course is to help students to have an overview of the state of the art of operations research fields, and to improve their ability of problem solving.

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