

朝陽科技大學 094學年度第2學期教學大綱  
Advanced Operations Research(2) 高等作業研究(二)

當期課號	7099	Course Number	7099
授課教師	王敏	Instructor	WANG,MIN
中文課名	高等作業研究(二)	Course Name	Advanced Operations Research(2)
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	本課程旨在探討作業研究領域中常用隨機性模式之基本理論與求解方法，內容包括隨機過程，馬可夫鏈及等候系統等。	Objectives	This course will examines the theories and solution methods related to stochastic models in operations research, including stochastic processes, markov chains, and queueing systems.
教材	S. M. Ross, (2003), Introduction to Probability Models, 8th edition, Academic Press, (歐亞圖書代理) ISBN: 0-12-958066-8	Teaching Materials	
成績評量方式	作業 50% 期中 20% 期末考 30%	Grading	Homework 50% 50% Midterm 20% 20% Final 30% 30%
教師網頁	<a href="http://www.cyut.edu.tw/~mwang">http://www.cyut.edu.tw/~mwang</a>		
教學內容	1. Review of Probability. 2. Markov Chains. 3. Poisson Process. 4. Continuous Markov Chains. 5. Queueing Theory.	Syllabus	1. Review of Probability. 2. Markov Chains. 3. Poisson Process. 4. Continuous Markov Chains. 5. Queueing Theory.

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