朝陽科技大學 097學年度第1學期教學大綱 Advanced Operations Research(1) 高等作業研究(一)

當	7160		7160
期		Course Number	
課品		Oodi Se Humber	
號	房 <i>切</i>		LIAW,CHING FANG
授課	廖經芳		LIAW,CHING FANG
教		Instructor	
師			
中	高等作業研究(一)		Advanced Operations Research(1)
文課		Course Name	
名			
開	工業工程與管理系碩士班一A		
課		Department	
單位			
修			Elective
習	送 廖	Required/Elective	
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分		Credits	
數	十 期和比大地场级477世级447中4月十		This course since to attack the planning
	本課程旨在教授學生以數學模式與數量方法分析及求解複雜之問題,並訓練學生發展		This course aims to study the planning, management, and evaluation of complex
課	有效方法求解相關最佳化問題之能力。		problems with mathematical models.
程		Objectives	Through learning different operation
目		Objectives	research techniques, the graduate students are trained to understand the state of the art
標			of methodologies in operations research
			and to develop efficient methods for solving
	Operations research: models and methods,		and analyzing relevant problems. Operations research: models and methods,
±4-	Paul A. Jensen & Jonathan F. Bard	Tooching	Paul A. Jensen & Jonathan F. Bard
教材		Teaching Materials	
าเว	Website: http://www.cyut.edu.tw/~cfliaw/course_1.htm		網頁: http://www.cyut.edu.tw/~cfliaw/course_1.htm
よ	fittp://www.cyut.edu.tw/-ciiiaw/course_1.iiiii 作業(20%), 期中考(40%), 期末考(40%)		Midterm 40%, Final 40%, Homework 20%
績			ivilateriii 40 /0, i mai 40 /0, i iomework 20 /0
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頁	상다 사다 바다 다나 사라 아 우 아 나는		Lineau and an annual and the second of the s
	線性規劃模式、線性規劃求解方法、敏感 度分析與對偶理論、網路流量模式、網路		Linear programming formulations, Linear programming solution methods, Sensitivity
	流量求解方法、整數規劃模式、整數規劃		analysis and duality, Network flow models,
	求解方法、非線性規劃模式、非線性規劃	Syllabus	Network flow methods, Integer
內容	求解方法。	•	programming models, Integer programming solution methods, Nonlinear programming
127			models, Nonlinear programming solution
			methods.
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