

朝陽科技大學 091學年度第2學期教學大綱
Multiple Criteria Decision Making 多準則決策

當期課號	7093	Course Number	7093
授課教師	廖彩雲	Instructor	LIAO, TSAI YUN
中文課名	多準則決策	Course Name	Multiple Criteria Decision Making
開課單位	資訊管理系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	<p>本課程主要介紹面對多準則決策時，所採用的多準則決策方法以及一些應用的案例。在單一決策問題架構下，根據決策環境與條件的說明，繼而說明決策者與分析者在相對問題中所扮演的角色，最後分析的方法則透過案例解說的方式幫助學生有深入的了解。</p>	Objectives	<p>This course will introduce a series of multiple criteria decision making (MCDM) methods and applications. The goal of this course is to help students gain a deep practical and theoretical insight into the MCDM methods, so as to correctly apply them to solve complex decision making problems. There are two main streams of MCDM: 1. Multi-Objective Decision Making, which assumes continuous solution spaces and tries to determine optimal compromise solutions. 2. Multi-Attribute Decision Making, which solves problems with countable few decision alternatives and basically uses approaches from discrete mathematics. The main focus of this course is on the Multi-Attribute Decision Making stream and few approaches in Multi-Objective decision Making. Team works and real case studies will be emphasized in assignments and final term project.</p>
教材	觀念與理論以課堂講授為主，在實際應用上與個案方面，以分組報告與討論方式進行。	Teaching Materials	Lecture Case study Journal Paper Discussion
成績評量方式	<p>課堂參與及討論 10% 作業及論文討論 30%。 期中考 30%。 期末報告 30% Term Project 30%.</p>	Grading	<p>Class Participation 10% Homework and paper review 30%. Midterm Exam 30%. Term Project 30%.</p>
教師網頁	-		
教學內容	<p>決策問題的基本理論 多準則決策問題 多準則決策方法: ELECTRE 多目標決策問題 不確定狀態下之決策問題</p>	Syllabus	<p>Taxonomy of decision problems Multicriteria Evaluation Problems Multicriteria decision method : ELECTRE Multiobjective decision problems Decision making under uncertainty</p>

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