朝陽科技大學 092學年度第2學期教學大綱
Multiple Criteria Decision Making 多準則決策

當期課號	7591	Course Number	7591
授課教師	張簡尚偉	Instructor	CHANGCHIEN,SHANG WEI
中文課名	多準則決策	Course Name	Multiple Criteria Decision Making
開課單位	資訊管理系碩士在職專班一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。	Objectives	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.
教材	Lectures and Selected Paper Review and Presentation by Students	Teaching Materials	Lectures and Selected Paper Review and Presentation by Students
成績評量方式	Homework and paper review: 30%，participation: 10%，mid-term: 30%，final project: 30%	Grading	Homework and paper review: 30%，participation: 10%，mid-term: 30%，final project: 30%
教師網頁	http://web.nchu.edu.tw/~swc		
教學內容	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.	Syllabus	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.

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