

朝陽科技大學 095學年度第1學期教學大綱
Data Mining 資料探勘

當期課號	7801	Course Number	7801
授課教師	謝富雄	Instructor	HSIEH,FU SHIUNG
中文課名	資料探勘	Course Name	Data Mining
開課單位	資訊工程系碩士在職專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	資料倉儲與挖掘這門學科所關注的問題是：從大量資料中挖掘出事先未知、有效的和有用的資訊之過程，以提供有效的策略決斷並粹煉出具有競爭力的企業智慧。本課程主要的目標是介紹資料挖掘中核心的演算法、理論及相關應用。	Objectives	This course concentrates on the processes to discover previously unknown, useful knowledge or rules from huge data to support decision making. The students will learn the different algorithms in data mining and their potential applications.
教材	Data Mining: Introductory and Advanced Topics, Dunham, Prentice Hall, 2003. Data Mining: Concepts and Techniques, Jiawei Han and Micheline Kamber, Morgan Kaufmann. Journal or Conference Papers	Teaching Materials	Data Mining: Introductory and Advanced Topics, Dunham, Prentice Hall, 2003. Data Mining: Concepts and Techniques, Jiawei Han and Micheline Kamber, Morgan Kaufmann. Journal or Conference Papers
成績評量方式	Midterm:30%, Final:40%, Others:30%	Grading	Midterm:30%, Final:40%, Others:30%
教師網頁	-		
教學內容	1. An introduction to data mining 2. Data warehousing 3. Data warehousing technology 4. Basic data mining techniques: characterization, association, classification, clustering, and similarity-based mining. 5. Advanced data mining topics	Syllabus	1. An introduction to data mining 2. Data warehousing 3. Data warehousing technology 4. Basic data mining techniques: characterization, association, classification, clustering, and similarity-based mining. 5. Advanced data mining topics

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