朝陽科技大學 096學年度第1學期教學大綱
Pattern Recognition 圖形識別

當期課號	7454	Course Number	7454
授課教師	戴紹國	Instructor	DAI,SHOU KUO
中文課名	圖形識別	Course Name	Pattern Recognition
開課單位	資訊科技研究所博士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	1.Classifiers based on Bayes decision theory, 2.Linear/nonlinear classifiers, 3.Feature selection, 4.Feature generation, 5.Context-dependent classification, 6.System evaluation, 7.Clustering algorithms	Objectives	1.Classifiers based on Bayes decision theory, 2.Linear/nonlinear classifiers, 3.Feature selection, 4.Feature generation, 5.Context-dependent classification, 6.System evaluation, 7.Clustering algorithms.
教材	Pattern Classification (2nd ed.) by Richard O. Duda, Peter E. Hart and David G. Stork Publisher: Wiley Interscience ISBN: 0-471-05669-3 歐亞書局	Teaching Materials	Pattern Classification (2nd ed.) by Richard O. Duda, Peter E. Hart and David G. Stork Publisher: Wiley Interscience ISBN: 0-471-05669-3 歐亞書局
成績評量方式	1.Homework&Quiz: 20% 2.: Midterm: 40% 3.Final Project 40%	Grading	1.Homework&Quiz: 20% 2.Midterm: 40% 3.Final Project 40%
教師網頁			
教學內容	Bayesian decision theory Parametric estimation and supervised learning Linear discriminant functions Nonparametric methods Feature extraction for representation Feature extraction for classification Unsupervised learning and clustering	Syllabus	Bayesian decision theory Parametric estimation and supervised learning Linear discriminant functions Nonparametric methods Feature extraction for representation Feature extraction for classification Unsupervised learning and clustering

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