朝陽科技大學 095學年度第2學期教學大綱
Artifical Intelligent 人工智慧系統

當期課號	3812	Course Number	3812
授課教師	吳世弘	Instructor	WU,SHIH HUNG
中文課名	人工智慧系統	Course Name	Artifical Intelligent
開課單位	資訊工程系(四進)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程目標在於使學生熟悉人工智慧重要觀念： 1.搜索策略 2.規劃推理方法 3.知識表示 4.學習	Objectives	The goal of this course is to learn following import concepts in artifical intelligence: 1. Searching Strategies 2. Planning Method 3. Knowledge Representation 4. Learning
教材	Artificial Intelligence: A Modern Approach (Second Edition) by Stuart Russell and Peter Norvig Publisher: Prentice Hall; 2nd edition (December 20, 2002) ISBN: 0137903952 新月圖書股份有限公司	Teaching Materials	Artificial Intelligence: A Modern Approach (Second Edition) by Stuart Russell and Peter Norvig Publisher: Prentice Hall; 2nd edition (December 20, 2002) ISBN: 0137903952 新月圖書股份有限公司
成績評量方式	1.Homework: 20% 2.Quiz: 15% 3.Midterm: 20% 4.Final Exam.: 25% 5. Project: 20%	Grading	1.Homework: 20% 2.Quiz: 15% 3.Midterm: 20% 4.Final Exam.: 25% 5. Project: 20%
教師網頁	http://www.csie.cyut.edu.tw/~shwu		
教學內容	*Introduction to AI, *Search: Breadth-First and Depth-First Search, Best-First, Greedy, Hill-Climbing, Simulated Annealing Search, *Soft computing: Genetic Algorithms, Neural Networks, Multi-Valued and Fuzzy Logic, *Logic: Propositional Logic, Propositional Resolution, First Order Logic, Resolution Proofs, *Knowledge Representation: Ontology Engineering, Natural Language	Syllabus	*Introduction to AI *Search Breadth-First and Depth-First Search Best-First, Greedy, Hill-Climbing, and Simulated Annealing Search *Soft computing Genetic Algorithms Neural Networks Multi-Valued and Fuzzy Logic *Logic Propositional Logic, Truth Tables Propositional Resolution First Order Logic, Resolution Proofs *Knowledge Representation Ontology Natural Language