

朝陽科技大學 094學年度第2學期教學大綱
Agent Systems 代理人系統

當期課號	7680	Course Number	7680
授課教師	林芳昌	Instructor	LIN,FANG CHANG
中文課名	代理人系統	Course Name	Agent Systems
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	代理人系統課程將介紹代理人與群體代理人的觀念與系統。包含代理人系統的基本定義與概念、數學模式表示法、代理人與環境互動關係、以及群體代理人之間溝通協調合作等主題之探討。	Objectives	This course will introduce agent systems and multi-agent systems. Topics will include the concept of agents and multi-agent systems, the model of agents, the interaction of agent and environment, cooperation, coordination, and negotiation of multi-agent systems.
教材	<ol style="list-style-type: none"> 1. "An Introduction to MultiAgent Systems" Michael Wooldridge, John Wiley and Sons, 2002. 2. "Mult-agent Systems: an introduction to distributed artificial intelligence" Jacques Ferber, Addison-Wesley, 1999. 3. "A Roadmap of Agent Resarch and Development" Autonomous Agents and Multi-Aget Systems, 1, 7-38, 1998. 4. "Cooperative Mobile Robotics: Antecedents and Directions" Autonomous Robots, 4, 7-27, 1997. 	Teaching Materials	
成績評量方式	<ol style="list-style-type: none"> 1. Participation: 40% 2. Exercise: 20% 3. Final project: 40% 	Grading	<ol style="list-style-type: none"> 1. Participation: 40% 2. Exercise: 20% 3. Final project: 40%
教師網頁	-		
教學內容	<ol style="list-style-type: none"> 1. Principles of Multi-Agent Systems 2. Interactions and Cooperation 3. Multi-Agent Organizations 4. Action and Behavior 5. Communications 6. Collaboration and Distribution of Tasks 7. Coordination of Actions 	Syllabus	<ol style="list-style-type: none"> 1. Principles of Multi-Agent Systems 2. Interactions and Cooperation 3. Multi-Agent Organizations 4. Action and Behavior 5. Communications 6. Collaboration and Distribution of Tasks 7. Coordination of Actions

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