0982學期 課程基本資料

系所 / 年級	資應系碩士班 1年級	課號 / 班別	79M00023 / A
學分數	3學分	選 / 必修	選修
科目中文名稱	專家系統	科目英文名稱	Expert Systems
主要授課老師	陳龍	開課期間	一學年之下學期
人數上限	33 人	已選人數	8人

起始週 / 結束週 / 上課地點 / 上課時間

第1週 / 第18週 / I428 / 星期3第06節
第1週 / 第18週 / I428 / 星期3第07節
第1週 / 第18週 / I428 / 星期3第08節

教學綱要

一、教學目標(Objective)	1. What is Expert Systems? 2. The role Expert System plays in modern research. 3. Be a designer and user of an intelligent system.
二、先修科目(Pre Course)	NA
三、教材內容(Outline)	1. Overview 2. Introduction to knowledge-based intelligent systems 3. Rule-based expert systems 4. Uncertainty management in rule-based expert systems 5. Fuzzy expert systems 6. Frame-based expert systems 7. Artificial neural networks 8. Evolutionary computation 9. Hybrid intelligent systems 10. Knowledge engineering and data mining
四、教學方式(Teaching Method)	Lecturing Group Discussion Hands-on Projects
五、參考書目(Reference)	Artificial Intelligence, A Guide to Intelligent Systems, Second Edition, Michael Negnevitsky, Addison Wesley, ISBN 0-321-20466-2

2010/2/24	Overview	陳龍
2010/3/3	Introduction to knowledge-based intelligent systems	
2010/3/10	Rule-based expert systems	
2010/3/17	Uncertainty management in rule-based expert systems (1/2)	
2010/3/24	Uncertainty management in rule-based expert systems (2/2)	
2010/3/31	Fuzzy expert systems (1/2)	
2010/4/7	Fuzzy expert systems (2/2)	
2010/4/14	Midterm Review	

六、教學進度**(Syllabi)**

2010/4/21 Midterm
2010/4/28 Frame-based expert systems
2010/5/5 Artificial neural networks
2010/5/12 Evolutionary computation
2010/5/19 Hybrid intelligent systems (1/2)
2010/5/26 Hybrid intelligent systems (2/2)
2010/6/2 Knowledge engineering and data mining (1/2)
2010/6/9 Knowledge engineering and data mining (2/2)
2010/6/16 Final Review
2010/6/23 Final

七、評量方式**(Evaluation)**

平時作業, 期中考, 期末考

八、講義位址**(http://)**

九、教育目標

重新查詢

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