朝陽科技大學 098學年度第2學期教學大綱
Introduction to RFID information system RFID資訊系統

當期課號	2745	Course Number	2745
授課教師	陳裕昌	Instructor	Chen,Yu Chang
中文課名	RFID資訊系統	Course Name	Introduction to RFID information system
開課單位	資訊管理系(四日)三C	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	無線射頻技術 (RFID) 已逐漸在各產業中被廣泛的應用，本課程將介紹建置RFID系統所需要的概念與技術，包含：RFID資訊平台架構、中介軟體、資料庫系統設計及RFID 的佈署與驗証。	Objectives	The technology of Radio Frequency Identification (RFID) has been widely applied in the various industries. The objective of the course is to introduce the basic elements for building RFID information systems. These basic elements will cover, but not limit, the RFID information framework, middleware, database design, and the deployment and verification of the RFID system.
教材	(1) 自編投影片 1) "RFID Essentials" , O'Reilly 2006, Bill Glover, Himanshu Bhatt	Teaching Materials	(1) Lecture (1) "RFID Essentials" , O'Reilly 2006, Bill Glover, Himanshu Bhatt
成績評量方式	平時成績： 10 % 作業成績： 30 % 期中成績： 30 % 期末報告： 30 %	Grading	Attendance : 10 % Homework : 30 % Midterm Exam. : 30 % Final Project : 30 %
教師網頁	_		
教學內容	(01)RFID 資訊系統與產業應用介紹 (02)EPCglobal Network架構 (03)ISO15693/14443 Reader 程式設計-1 (04)ISO15693/14443 Reader 程式設計-2 (05)ISO18000-6C 程式設計 (1) (06)ISO18000-6C 程式設計 (2) (07)實習專案分組構想報告 (08)Reader Emulator – RIFIDI , PC 編碼與碼的轉換 (09)EPC global 網路架構實習 EPCIS (10)EPCIS Capture & Query application (11)EPC global 網路架構實習 ALE Middleware (12) EPC global 網路架構實習 FOSSTRAK (13) 分組期末報告(1) (14) 分組期末報告(2) (15) 分組期末報告(3)	Syllabus	(01)The RFID Information system and Applications (02)EPCglobal Network Architecture (03)ISO15693/14443 Reader Programming-1 (04)ISO15693/14443 Reader Programming-2 (05)ISO18000-6C Reader Programming (1) (06)ISO18000-6C Reader Programming (2) (07)Team Project Concept Briefing (08)RFID Reader Emulator ，Coding，Tag Data Translation (09) EPC IS - Lab (10) EPCIS Capturing and Query Application (11) EPC global Network Lab. – ALE Middleware (12)EPC global Network Lab. - FOSSTRAK (13)Team Project–Final Presentation-1 (14)Team Project–Final Presentation-2 (15)Team Project–Final Presentation-3

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