

朝陽科技大學 092學年度第2學期教學大綱
Software Component Technology 軟體元件技術

當期課號	7274	Course Number	7274
授課教師	廖琬洲	Instructor	LIAO,HSIEN CHOU
中文課名	軟體元件技術	Course Name	Software Component Technology
開課單位	資訊工程系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	<p>這門課介紹如何設計元件以及使用元件來開發軟體的技術，主題包含：物件導向設計、設計樣版、單元測試、元件設計與實作。在完成這門課之後，學生將可以學習到：1. 以物件導向設計方法來開發軟體；2. 使用特定語言來開發元件；3. 針對元件進行測試；4. 運用元件來開發各種軟體。</p>	Objectives	<p>This course gives an introduction to the concepts of software development based on software components. Topics to be covered are: object-oriented design, design pattern, unit testing, component design and implementation. On completion of this course, students should be able to perform the following tasks: 1. develop software by using object-oriented design methodology; 2. develop software component using a specific program language; 3. test software components; 4. develop application based software components.</p>
教材	Online programming and discussion	Teaching Materials	Online programming and discussion
成績評量方式	<p>1. Term Projects 75% (3*25%) 2. Presentation 15% 3. Class participation 10%</p>	Grading	<p>1. Term Projects 75% (3*25%) 2. Presentation 15% 3. Class participation 10%</p>
教師網頁	ftp://seafood.csie.cyut.edu.tw/SoftwareComp		
教學內容	<p>主要目標有三個： - 介紹二種不同的元件規格 DCOM, JavaBean - 介紹一個未來的技術趨勢 Web Services - 藉由實作來增加對於元件與技術的熟悉度</p>	Syllabus	<p>Three goals: - Introduction two kinds of components, DCOM and JavaBean - Introduction an important technical trend, Web Services - Case studies and implementation to increase the familiar to the component technology</p>

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