

朝陽科技大學 095學年度第1學期教學大綱  
Software Component Technology 軟體元件技術

當期課號	7800	Course Number	7800
授課教師	徐豐明	Instructor	SHYU,FONG MING
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	<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	<p>Component-Based Software Engineering by George T. Heineman, William T. Councill, ISBN : 0201704854</p>	Teaching Materials	<p>Component-Based Software Engineering by George T. Heineman, William T. Councill, ISBN : 0201704854</p>
成績評量方式	<p>paper present 30%, quiz 30%, report 40%</p>	Grading	<p>paper present 30%, quiz 30%, report 40%</p>
教師網頁	-		
教學內容	<p>Component definition, Case for component, Software component practice, The design of software component infrastructure, The management of component-based software system. Component technology.</p>	Syllabus	<p>Component definition, Case for component, Software component practice, The design of software component infrastructure, The management of component-based software system. Component technology.</p>

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