朝陽科技大學 096學年度第1學期教學大綱
Software Engineering 軟體工程

當期課號	7409	Course Number	7409
授課教師	謝富雄	Instructor	HSIEH,FU SHIUNG
中文課名	軟體工程	Course Name	Software Engineering
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	這門課包含幾個軟體工程與軟體開發的重要內容，主題包括：系統工程、軟體流程、系統模型與統一塑模語言(UML)、物件導向設計、軟體需求與軟體測試。在完成這門課之後，學生將可以學習到下面幾點：1.瞭解軟體工程的原理；2.瞭解軟體開發中不同階段與模型；3.具有撰寫需求規格的經驗；4.瞭解軟體設計以及快速雛形的概念；5.瞭解大型軟體的維護方式；6.瞭解CASE工具的概念並且運用特定的CASE工具。	Objectives	This course covers the key aspects of software engineering and Development. Topics include: system engineering, software process, system modes and UML, object-oriented design, software requirement, and software testing. On completion of this course, students should be able to perform the following tasks: 1. understanding the principles of software engineering; 2. understanding different development stages/models; 3. understanding and experience in writing requirements and specifications; 4. understanding and experience in designing and rapid prototyping; 5. understanding large scale software maintenance; 6. understanding general CASE tools and experience with particular CASE tools.
教材		Teaching Materials	
成績評量方式	1.Midterm Report: 40% 2.Final Report (Project): 40% 3.Class participation: 20%	Grading	1.Midterm Report: 40% 2.Final Report (Project): 40% 3.Class participation: 20%
教師網頁	_		
教學內容	The Course will cover topics in software engineering such as: 1.Software Processes 2.Software Requirement 3.Object-Oriented Design and Reuse 4.System Model and UML (Unified Modeling Language) 5.Software Testing/Quality Assurance 6.Software Maintenance	Syllabus	The Course will cover topics in software engineering such as: 1.Software Processes 2.Software Requirement 3.Object-Oriented Design and Reuse 4.System Model and UML (Unified Modeling Language) 5.Software Testing/Quality Assurance 6.Software Maintenance

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