朝陽科技大學 091學年度第1學期教學大綱
Software Engineering 軟體工程

當期課號	7386	Course Number	7386
授課教師	王能中	Instructor	WANG,NENG CHUNG
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	Lecture	Teaching Materials	Lecture
成績評量方式	Project (30%), Midterm Exam. (30%), Final Exam. (40%)	Grading	Project (30%), Midterm Exam. (30%), Final Exam. (40%)
教師網頁			
教學內容	This course is aimed at introducing the basic concepts and design techniques of software engineering.	Syllabus	This course is aimed at introducing the basic concepts and design techniques of software engineering.

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