

朝陽科技大學 093學年度第2學期教學大綱
Object-Oriented Analysis and Design 物件導向分析與設計

當期課號	6034	Course Number	6034
授課教師	羅卓雄	Instructor	LAW,CHEUK HUNG
中文課名	物件導向分析與設計	Course Name	Object-Oriented Analysis and Design
開課單位	資訊管理系(二進)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程的目的為探討及研究一個設計良好的資訊系統具備的要素及其設計理念，並介紹物件導向分析、設計及設計樣式等技術，本課程將會利用一個簡單的研究實例，來闡明物件導向分析與設計的實務，內容涵蓋UML介紹、OOA、OOD的議題、一些重要的設計樣式及如何整合這些技術在實際個案上。	Objectives	The goal of this course is first to explore and study what a well-developed information system is and how to build it. And then the object-oriented analysis and design, design pattern techniques are discussed. The course will utilize a simple case study to introduce the practical and detail procedure of the OOA, OOD and how to integrate the important object oriented techniques such as design pattern and framework etc. to this study.
教材	Text Book: (1) Bruegge, B., and Dutoit, A. H. Objected-oriented Software Engineering: Using UML, Patterns, and Java. 2nd (international edition). Upper Saddle River, NJ: Pearson Education, Inc., 2004. (ISBN: 0-13-191179-1). References: (1) Brown, D. W. An Introduction to Object-oriented Analysis: Objects and UML in Plain English, 2nd edition. New York: John Wiley & Sons, Inc., 2002. (ISBN:0-471-37137-8). (2) Articles selected from academic and professional journals. 專業及學術期刊	Teaching Materials	
成績評量方式	(1) 期末考試 (45%) (2) 分組系統設計項目(45%) (3) 口頭報告、在課堂上的參與和表現 (10%)	Grading	(1) Final Examination (45%) (2) Group Project (45%) (3) Group presentation/class participation (10%)
教師網頁	-		
教學內容	本課程的主要內容如下述: 1. 物件導向分析和設計理論; 2. 統一塑模語言基礎; 3. 需求定義及分析模型; 4. 系統及物件設計; 及 5. 測試方法和與項目管理有關的其他議題。	Syllabus	This course covers the following topics: 1. concepts of software engineering, and object-oriented methodologies and techniques; 2. fundamentals of Unified Modeling Language (UML); 3. requirements elicitation and analysis modeling; 4. systems and object design; 5. testing and other project-related management issues.