朝陽科技大學 094學年度第1學期教學大綱
Program Design（1） 程式設計(一)

當期課號	2395	Course Number	2395
授課教師	徐豐明	Instructor	SHYU,FONG MING
中文課名	程式設計(一)	Course Name	Program Design（1）
開課單位	資訊工程系(四日)一A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	- 基本概念（編譯與連結，常數，變數，資料型態，運算元） - 資料型態轉換 - 輸入與輸出 - 選擇敘述（if..else, switch） - 重複敘述（for, while, do..while, break） - 函數 - 指標 - 陣列 - 字串 - 結構 - 檔案輸入/輸出	Objectives	- Initial concepts (compiling and linking, constants, variables, data types, operators) - Data type conversion - Input/Output - Selection statements(if .. else, switch) - Repetitive statements(for, while, do .. while, break and continue) - Functions - Pointers - Arrays - Strings - Structures - File input/output
教材	H. M. Deitel and P. J. Deitel, "C How to Program: 4/e," Prentice-Hall, 2004. Brian W. Kernighan and Dennis M. Ritchie, "The C Programming Language: 2/e," Prentice-Hall, 1988. 蔡文能 譯, C語言程式設計, 天瓏書局, 2005. 施威銘研究室, C最新程式語言, 旗標, 2004.	Teaching Materials	
成績評量方式	期中考:30%, 期末考:30%, 作業:30%, 其他:10%	Grading	Midterm:30%, Final:30%, Homework:30%, Others:10%
教師網頁			
教學內容	1. Introduction to Computers, the Internet and the World Wide Web. C PROCEDURAL PROGRAMMING. 2. Introduction to C Programming. 3. Structured Program Development in C. 4. C Program Control. 5. C Functions. 6. C Arrays. 7. C Pointers. 8. C Characters and Strings. 9. C Formatted Input/Output. 10. C Structures, Unions, Bit Manipulations and Enumerations. 11. C File Processing. 12. C Data Structures. 13. C Preprocessor. 14. Advanced C Topics.	Syllabus	1. Introduction to Computers, the Internet and the World Wide Web. C PROCEDURAL PROGRAMMING. 2. Introduction to C Programming. 3. Structured Program Development in C. 4. C Program Control. 5. C Functions. 6. C Arrays. 7. C Pointers. 8. C Characters and Strings. 9. C Formatted Input/Output. 10. C Structures, Unions, Bit Manipulations and Enumerations. 11. C File Processing. 12. C Data Structures. 13. C Preprocessor. 14. Advanced C Topics.

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