


國立東華大學
教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	程式語言		學年/學期 Academic Year/Semester	105/2
課程名稱(英文) Course Name in English	Programming Languages			
科目代碼 Course Code	CSIE20400	系級 Department & Year	學二	開課單位 Course-Offering Department
資訊工程學系				
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)	3.0/3.0	
授課教師 Instructor	/羅壽之			
先修課程 Prerequisite				
課程描述 Course Description				
介紹程式語言的進展、講述程式語言的設計、編譯與執行方式 (Introduce the progress of computer languages and the way to design and compile computer programs)				
課程目標 Course Objectives				
介紹程式語言基本觀念、語法、語意、資料型態、語言處理等。				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.'s Education Objectives
A	資訊專業終身學習能力Ability of lifetime learning in information profession			●
B	實驗驗證資訊科學能力Ability of validate experimental result validation in information science field			○
C	資訊工具整合運用能力Ability of integrated applications of information technology			●
D	資訊系統應用設計開發能力Ability of information application system design and development			●
E	團隊合作溝通協調能力Ability of teamwork, communication, and coordination			○
F	資通訊科技問題解決能力Ability of problem solving regarding information and communication technology			○
G	瞭解資訊科技多元影響能力Ability to understand information technology's multiple influences			○
H	肩負資訊人社會責任能力Ability of bearing the social responsibilities being among information professionals			
圖示說明Illustration : ● 高度相關 Highly correlated ○ 中度相關 Moderately correlated				
授課進度表 Teaching Schedule & Content				
週次Week	內容 Subject/Topics			備註Remarks
1	(2/13) Introduction to this course			
2	(2/20) Introduction to programming language			
3	(2/27) Holiday/Course Break			

4	(3/6) Describing syntax and semantics	
5	(3/13) Describing syntax and semantics	
6	(3/20) Describing syntax and semantics	
7	(3/27) Lexical and syntax analysis	
8	(4/3) Holiday/Course Break	
9	(4/10) 期中考試週 Midterm Exam	
10	(4/17) Lexical and syntax analysis	
11	(4/24) Names, bindings, type checking, and scopes	
12	(5/1) Data type	
13	(5/8) Expressions and assignment statements	
14	(5/15) Statement-level control structures	
15	(5/22) Subprogram	
16	(5/29) Holiday/Course Break	
17	(6/5) Python/Java/JavaScript	
18	(6/12) 期末考試週 Final Exam	

教學策略 Teaching Strategies

- 課堂講授 Lecture
 分組討論 Group Discussion
 參觀實習 Field Trip
 其他 Miscellaneous:

學期成績計算及多元評量方式 Grading & Assessments

配分項目 Items	配分比例 Percentage	多元評量方式 Assessments							其他
		測驗 會考	實作 觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	
平時成績 General Performance	10%								
期中考成績 Midterm Exam	30%								
期末考成績 Final Exam	30%								
作業成績 Homework and/or Assignments	30%								
其他 Miscellaneous (_____)									

評量方式補充說明
Grading & Assessments Supplemental instructions

教科書與參考書目 (書名、作者、書局、代理商、說明)
Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

Concepts of Programming Languages, Robert W. Sebesta, Pearson Education

課程教材網址（教師個人網址請列在本校內之網址）
Teaching Aids & Teacher's Website (Personal website can be listed here.)

www.elearn.ndhu.edu.tw

其他補充說明 (Supplemental instructions)