


國立東華大學
教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	程式設計實驗(二)		學年/學期 Academic Year/Semester	114/2	
課程名稱(英文) Course Name in English	Lab of Programming (II)				
科目代碼 Course Code	CSIEB0050	系級 Department & Year	學一	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)	1.0/		
授課教師 Instructor	/林勁甫				
先修課程 Prerequisite					
課程描述 Course Description					
Let students implement programs in C++ and explain their work to deep the knowledge about OO tools that taught in programming (II).					
課程目標 Course Objectives					
Practice writing advanced programs in C/C++ programming language, and build the foundation for writing large object-oriented programs in the future.					
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	Course overview				
2	encapsulation				
3	privileges: public, private, protected				

4	static and const	
5	constructors, destructors, and initializer	
6	inheritance	
7	name space and name hiding	
8	polymorphic and virtual	
9	期中考試週 Midterm Exam	
10	template 1	
11	functor and lambda expression	
12	exception handling (try and catch)	
13	iterator and allocator	
14	smart pointers	
15	template 2: meta programming	
16	basic DS	
17	basic DS 2	
18	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:

教學創新自評 Teaching Self-Evaluation

創新教學(Innovative Teaching)

- 問題導向學習(PBL)
 團體合作學習(TBL)
 解決導向學習(SBL)
 翻轉教室 Flipped Classroom
 磨課師 Moocs

社會責任(Social Responsibility)

- 在地實踐 Community Practice
 產學合作 Industry-Academia Cooperation

跨域合作(Transdisciplinary Projects)

- 跨界教學 Transdisciplinary Teaching
 跨院系教學 Inter-collegiate Teaching

- 業師合授 Courses Co-taught with Industry Practitioners

其它 other:

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							
		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	其他
平時成績(含出缺席) General Performance (Attendance Record)	100%		✓	✓					
期中考成績 Midterm Exam									
期末考成績 Final Exam									
作業成績 Homework and/or Assignments									
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.)

課程教材網址(含線上教學資訊, 教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.
Personal website can be listed here.)

其他補充說明 (Supplemental instructions)