國立東華大學

教學計劃表　Syllabus

課程名稱(中文) Course Name in Chinese	網際網路系統設計與實務			學年/學期 Academic Year/Semester		106/2
課程名稱(英文) Course Name in English	Internet System Design and Practice					
科目代碼 Course Code	CSIEB0270	系級 Department & Year	學三	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	/賴志宏					
先修課程 Prerequisite						

課程描述　Course Description

Web programming is an important skill in the modern society, especially for students majored in computer science. This course is designed to teach web programming in developing both client-side and server-side web applications. This course covers web design and static web generation using HTML5 and CSS, client-side programming with JavaScript, and dynamic web development using PHP and MySQL.

Prerequisites:
Students should have passed computer programming class 1 and 2.

課程目標　Course Objectives

本課程主要目的在於介紹網際網路系統的設計，並實際開發系統，從基礎的 HTML與 CSS，然後到 JavaScript、PHP 與MySQL，一步步的介紹與說明，最後藉由整合性的應用專案，讓同學能熟悉各語言的語法與應用，甚而能獨自開發一互動式的網站。

	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Profound professional knowledge and skills	●
B	實驗驗證資訊科學能力Sound and free spirit; simple and generous quality	●
C	資訊工具整合運用能力Ability to appreciate beauty and think creatively	●
D	資訊系統應用設計開發能力Sense of democracy, the rule of law, and civil responsibility	●
E	團隊合作溝通協調能力Ability of communication, teamwork, and social practice	○
F	資通訊科技問題解決能力Possess both domestic and global perspectives	○
G	瞭解資訊科技多元影響能力Knowledgeable and possess the quality of humanism	○
H	肩負資訊人社會責任能力Ability of verbal expression and information organization and application	○

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	Curriculum introduction, introduction to HTML, CSS, JavaScript, PHP, and MySQL	
2	HTML & CSS	
3	JavaScript: Expressions, control flow, functions, objects , and arrays	
4	JavaScript: Event handling, BOM and DOM	
5	Accessing CSS from Javascript jQuery	
6	X	
7	Midterm exam	
8	PHP: Server side programming Form handling	
9	Cookie, sessions, and authentication Bring it all together	
10	MySQL using PHP	
11	Midterm exam	
12	Report for draft of special project	
13	Case study	
14	Case study	
15	Special project	
16	Special project	
17	Project & Final report	
18	Final report	

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							
		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 General Performance	20%	✓	✓	✓			✓		
期中考成績 Midterm Exam	30%	✓	✓						
期末考成績 Final Exam	30%			✓	✓				
作業成績 Homework and/or Assignments	20%	✓	✓				✓		
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.)
Nixon, R. (2015). Learning PHP, MySQL & JavaScript with jQuery, CSS & HTML. CA: O'Reilly Media. http://www.w3schools.com/html/default.asp http://www.w3schools.com/js/default.asp http://www.w3schools.com/php/default.asp

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.)
pipls.net

其他補充說明 (Supplemental instructions)