

國立屏東大學 111學年度第2學期 教學課程綱要

※為保護智慧財產權，請勿非法影印教科書。

課程學分數：3.00(3.00小時)

授課老師：蘇溢芳(300599)

必選修：選

開課序號	1142
科目名稱	動態網頁設計(BFCZI29)
科目英文名稱	Dynamic Html Design
授課語言	英語/全外語授課
主要教學型態	課堂教學&小組討論
教學目標	<p>Web Programming is a very important element in the IT industry. Everyone searches for/uses information from websites. As CSIE engineers, we not only enjoy the convenience brought about by the use of dynamic web pages, we should also understand the concepts and skills behind the design.</p> <p>This course teaches programming language to enable students to implement the interactive web pages.</p> <p>This course first introduces how to generate interactive web pages by using JavaScript and Vue.js, and to combine the back-end database and frontier data presentation tools to provide users with diverse information.</p>
每週課程內容及教學方法	<ol style="list-style-type: none"> 1. Course Introduction/ Examples of dynamic web/ Teaching methods 2. Introduction of Animating tools of Web Design 3. Holiday 4. How to apply JavaScript onto a dynamic web page 1 5. How to apply JavaScript onto a dynamic web page 2 6. Learn from Project - A simple To Do List 1 7. Project Extension - A simple To Do List 2 8. Spring Holiday Off 9. Learn from Project - Card game 1 10. Project Extension - Card game 2 11. Midterm Project Assignment 12. What is Vue.js and How to use it in Dynamic Web Design 13. Building a Dynamic Game Web Page by Vue.js 1 (Piano Web Game) 14. Building a Dynamic Game Web Page by Vue.js 2(Piano Web Game) 15-17 Building an app of Movie DB with Vue.js 18. Final Project Submission
核心能力	
預期學習成果	<p>By the end of the course, students will be able to:</p> <ol style="list-style-type: none"> 1. Demonstrate knowhow (skills) of dynamic web programming tools

	<ol style="list-style-type: none"> 2. Demonstrate knowledge of software architectures and components of web applications 3. Design and implement an interactive web page 4. Design and implement a Client/Server web page
與預期學習成果搭配的多元評量	<ol style="list-style-type: none"> 1. at least 3 programming assignments (20%) 2. Project Interim Report (Week 11): Oral Report (20%), Submission of Programming Assignment (20%) 3. Final Project Report (Week 18): Oral Report (20%), Submission of Programming Assignment (20%) <p>The assessment design may be subject to change.</p>
主要讀本	Lector s notes
參考書目	<ol style="list-style-type: none"> 1. JSP 2.3動態網頁技術 (第六版), 作者: 榮欽科技, 呂文達 出版社: 博碩 2. 重新認識Vue.js: 008天絕對看不完的Vue.js 3指南 作者: 許國政 (Kuro) 出版社: 博碩 3. Vue.js 2前端漸進式建構框架實戰應用 完美搭配Bootstrap 4與Firebase 作者: 黃聰明 出版社: 碁峰 4. Designing with JavaScript: Creating Dynamic Web Pages (O Reilly Web Studio) 5. Eloquent JavaScript, 3rd Edition by Marijn Haverbeke 6. The Unicorn Project: A Novel about Developers, Digital Disruption, and Thriving in the Age of Data by Kim, Gene, published by IT Revolution Press
其他事項	