

2023학년도 2학기 교수계획표

교과목명	인터넷과웹기초	교과목번호	CBI501013	분반	059			
개설학과	컴퓨터공학전공	개설학년	1학년	학점-이론-실습	3.0 - 3.0 - 0.0			
강의시간 및 강의실								
담당교수	권동현	연구실 (상담가능장소)		상담시간				
		연락처		이메일				
수업방식	· 대면 · 강의식, 실험 · 실습 · 실기							
평가방법	Attendance(10%), Assignment(15%), Project(35%), Final exam(40%) * 장애학생의 경우 시험기간의 연장이 가능하며, 대필이나 컴퓨터를 활용하여 시험에 응시할 수 있습니다.							
선수과목 및 지식								
교수목표	<ul style="list-style-type: none"> - Understanding the history and basic structure of the Internet and the web - Understanding client-side programming through learning HTML/CSS/JavaScript - Increase problem-solving ability using Open API utilization 							
강의개요	<p>Internet-based web services play a very important role in implementing platform-independent services. In this course, we will understand the basic structure of the Internet and the web, and learn client-side programming. In particular, it focuses on understanding the basic syntax of HTML / CSS / JavaScript. In the latter part of this course, we will build a simple web server using Node.js and use the web API. This confirms the various possibilities of using web services. This helps us understand the applicability and extendability of the web service.</p> <p>* 장애학생의 경우 장애학습지원센터와 강의 및 과제에 대한 사전 협의가 가능합니다.</p>							
교과목과 핵심역량과의 관계								
부산대학교 8대 핵심역량	글로벌문화역량	소통역량	융복합역량	응용역량	봉사역량	인성역량	기초지식역량	고등사고역량
			○	○				
교과목에 따른 핵심역량								
학과 핵심역량						교육방법		
05	공학 및 정보기술 관련 실무에 필요한 기술, 방법, 도구들을 사용할 수 있는 능력				웹 프로그래밍 방법들을 예제와 실습을 통해 교육			
교재 및 참고자료								
주교재	W3Schools Online Web Tutorials - https://www.w3schools.com							
참고자료	고경희 저, Do it! HTML5+CSS3 웹 표준의 정석 2판, 이지스퍼블리싱, 2019.12							

주별 강의계획

주차	강의 및 실험 실기 내용	과제 및 기타 참고사항
제1주	[표절, 시험 부정행위 예방교육 및 실험·실습 안전교육 실시] [표절, 시험 부정행위 예방교육 및 실험·실습 안전교육실시] Introduction to Internet: Part. 1 - What is the Internet? - Network Structure - Internet Architecture - History of the Internet - IP Addressing - Datagram Forwarding - Domain Name System	
제2주	Introduction to internet: Part. 2 / Introduction to WWW - Protocol Stack, Transport-Layer Services - User Datagram Protocol, Transmission Control Protocol - Network Security - SSL/TLS - Electronic Mail - Internet Searching, Cloud Computing	
제3주	Introduction to HTML5: Part. 1 - HTML Introduction - HTML Editors - HTML Elements - HTML Attributes [Open source] HTML programming with VS Code	[Open source] Creation of a personal introduction page with basic elements
제4주	Introduction to HTML5: Part. 2 - HTML Semantic Elements - HTML Entities - HTML File Paths - HTML Links [Open source] HTML programming with VS Code	[Open source] Creation of a personal introduction page with semantic elements
제5주	Introduction to Cascading Style Sheets(CSS) 3: Part.1 - CSS Introduction - CSS How To - CSS Selectors - CSS Colors - CSS Text & Fonts - CSS Box Model [Open source] CSS programming with VS Code	[Open source] Creation of a personal introduction page with CSS
제6주	Introduction to Cascading Style Sheets(CSS) 3: Part.2 - HTML DOM (Document Object Model) - CSS Combinators - CSS Pseudo-classes - CSS Display - CSS Icons [Open source] CSS programming with VS Code	[Open source] Creation of a personal introduction page using CSS selectors
제7주	HTML/CSS Advanced - HTML Forms - CSS Attribute Selectors [Open source] HTML/CSS programming with VS Code	[Open source] Creation of a web form for a survey (1)
제8주	WoT and HTTP Open API - IoT(Internet of Things) - Web of Things - Open APIs on the Web	Project Announcement [Open source] Use Postman tool, Open APIs

주별 강의계획

주차	강의 및 실험 실기 내용	과제 및 기타 참고사항
제9주	NodeJS and HTTP Open API - Webserver and webclient - HTTP messages - JSON syntax - REST API - NodeJS and ExpressJS [Open source] Installation of PostMan, Test of Open API with PostMan	[Open source] NodeJS, Open API
제10주	Introduction to JavaScript: Part. 1 - JavaScript Introduction - JavaScript Syntax - JavaScript Variables - JavaScript Functions - JavaScript HTML DOM Navigation [Open source] JS programming with VS Code, Debugging with chrome DevTools	[Open source] JavaScript Programming
제11주	Introduction to JavaScript: Part. 2 - JavaScript Objects - JavaScript String/Number/Array - JavaScript Conditions/Switch - JavaScript Loop (For/While) [Open source] JS programming with VS Code, Debugging with chrome DevTools	[Open source] JavaScript Programming
제12주	Introduction to JavaScript: Part. 3 - JavaScript jQuery - JavaScript AJAX - JavaScript JSON [Open source] JS programming with VS Code, Debugging with chrome DevTools	[Open source] JavaScript Programming
제13주	Introduction to JavaScript: Part. 4 - Use OPEN-API with parameters [Open source] JS programming with VS Code, Debugging with chrome DevTools	Project Q&A [Open source] JavaScript Programming
제14주	Advanced Web Development	Project Q&A
제15주 (지정보강주)	Project Presentation	
제16주	Final Exam	