Course Syllabus

Code - Course Title	**BİL205U -**
Course Type	III. SEMESTER
Laboratory + Practice	0+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	LECTURER AHMET OKAN ONARCAN

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	None
Recommended Resources	Internet resources of the course: https://webfoundation.org/about/vision/history-of-the-web/ https://www.w3schools.com/html/default.asp https://www.w3schools.com/css/default.asp https://www.w3schools.com/js/default.asp https://www.w3schools.com/bootstrap5/index.php
Work Placement	Not Applicable

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		By explaining the development process of HTML, the program development environment will be prepared, and HTML tags will be explained in a way to design a basic HTML page.	
Week - 2		Basic CSS concepts (Browser Defaults, Box Model, Selectors, Cascade Layers, CSS Priorities, CSS Inheritance, Colors, Units of Measure, Width and Height, Box Sizing, Background, Element Layouts) will be explained with sample applications.	
Week - 3		Css Variables, Screen Responsive Web Design, Viewport concepts, Adjusting Screen Size, Media Queries, Page Layouts: Flexbox Structure, Grid Structure will be explained with applications.	
Week - 4		Bootstrap Installation, Layout Structure, Boundaries, Containers, Grid, Display Classes, Flex, Styling Tools, Heading and Text Styling, Borders, Colors, Margin and Padding, Background Classes, Components, Buttons and Button Groups, Card Component , Navigation Bar will be explained with examples.	
Week - 5		Review of HTML and fundamentals of CSS	
Week - 6		Review of CSS and Bootstrap	
Week - 7		Midterm Exam	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 8		Basic Javascript concepts, Preparing the Workspace, Syntax, Variables, Data Types, Operators, Conditional Statements, Loops, Functions, Popup Boxes, Timing Events will be explained with examples.	
Week - 9		JavaScript Versions, Arrow Functions, Array Operations, Spread Operator, Destructuring Assignments, Modules, DOM Structure, Event Concept will be explained with examples.	
Week - 10		Asynchronous Javascript, Http Protocol, Client and Server Communication will be explained with examples.	
Week - 11		Single Page Application, Virtual Document Object Model (VDOM), React will be explained.	
Week - 12		Review of Javascript	
Week - 13		Review on Javascript, client-server communication, HTTP protocol and current web technologies	
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	Will be able to develop a static web page by learning the HTML language in general.
2	Develops an application with knowledge about CSS.
3	Develops an application with knowledge about Bootstrap.
4	Develops applications with knowledge of JavaScript.
5	Have up-to-date web page development knowledge.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	30
Final Exam	1	70
	Sum (%)	**100**