Course Syllabus

Code - Course Title	**BOP223 - Coding**
Course Type	IV. SEMESTER
Laboratory + Practice	2+1
ECTS	**3.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	Burak UYANIK

Mode of Delivery	Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction and Basic Concepts	
Week - 2		Fundamentals of Computer Science and Programming	
Week - 3		Meaning and Importance of Algorithms	
Week - 4		Introduction to Visual Programming Tools (Scratch, Code.org)	
Week - 5		Creating Simple Games and Animations	
Week - 6		Basic Control Structures (IF Command)	
Week - 7		Understanding Conditional Statements through Gamified Activities	
Week - 8		Loops and Iteration (FOR and WHILE Loops)	
Week - 9		Create Patterns and Animations Using Simple Loops	
Week - 10		Variables and Data Types	
Week - 11		Defining and Using Variables	
Week - 12		Simple Math Operations and Data Types	
Week - 13		Project Work	
Week - 14		Project Presentations and Evaluation	

Learning Outcomes

#	Learning Outcome

Learning Outcomes

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1	comprehend and solve a problem considering logic of computer work and develop flow and algorithm schema about solution.
2	use the programming language environment; determine syntax errors in software and correct them.
3	define the needed variants to encode a program, use the control structures and loops, do the shortest and the most effective code writing.

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
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.