Course Syllabus

Code - Course Title	**YBS201 - Introduction to Programming and Algorithms**
Course Type	III. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	İngilizce
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. GÜVENÇ USANMAZ

Mode of Delivery	Face to face
Prerequisites	There are no prerequisites or co-requisites for the course
Courses Recomended	No
Recommended Resources	Main sources in the literature
Work Placement	No

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Computer hardware	
Week - 2		Computer software	
Week - 3		Problem definition	
Week - 4		Adapting problem solving to information systems	
Week - 5		Basic properties of the algorithm	
Week - 6		Flow charts	
Week - 7		Midterm exam	
Week - 8		Algorithm examples	
Week - 9		Introducing the features of the programming language	
Week - 10		Transforming algorithms into software	
Week - 11		If structure instantiation	
Week - 12		Recognizing the concept of variables	
Week - 13		Introducing the concepts of loops and functions	
Week - 14		Final exam	

Learning Outcomes

#	Learning Outcome
1	Solutions by understanding the problem
2	Simulates the algorithm
3	Coding according to the flow chart

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.