Course Syllabus

Code - Course Title	**YBS201U -**
Course Type	III. SEMESTER
Laboratory + Practice	0+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ASSIST. PROF. DR. İLKER KAYABAŞ

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Bilgisayar ve Programlamanın Gelişimi	
Week - 2		Bilgisayar ve Programlamanın Gelişimi	
Week - 3		Bilgisayarda Veri Saklama	
Week - 4		Bilgisayarda Veri Saklama	
Week - 5		Bilgisayarda Veri İşleme	
Week - 6		Bilgisayarda Veri İşleme	
Week - 7		Programlamada Temel Kavramlar ve C'ye Giriş	
Week - 8		Programlamada Temel Kavramlar ve C'ye Giriş	
Week - 9		C'de Veri Tipleri ve Tanımlamalar	
Week - 10		C'de Veri Tipleri ve Tanımlamalar	
Week - 11		İşleçler, Koşul ve Yineleme Deyimleri	
Week - 12		İşleçler, Koşul ve Yineleme Deyimleri	
Week - 13		Diziler, Göstericiler ve Dizgiler	
Week - 14		Fonksiyonlar	

Learning Outcomes

#	Learning Outcome
1	Will be able to describe the development and history of computers, which are an indispensable part of our lives.
2	Explain the basic working principles of computers
3	Will be able to express the components that make up computers
4	Will be able to list the main features of programming languages and compare various programming languages
5	Explain the binary number system
6	Able to perform mathematical operations in binary number system
7	Will be able to express how number, character, image and sound data are stored on the computer
8	Explain the differences between the concepts of data, information and knowledge
9	Explain the processor architecture and list the main parts of the central processing unit
10	Explain the concept of algorithm, which is the basic element of programming
11	Will be able to apply the basic features of the C programming language
12	Understand the data types in the C programming language and the difference between these types
13	Explain how to define a preferred storage type for any variable in the C programming language
14	Define the operators used in the C programming language.
15	Structures of iteration statements and in what situations which iteration
16	Explain the definitions of one, two and three dimensional arrays and assigning values to the elements of multidimensional arrays
17	Explain the use of functions
18	Will be able to define functions and call the function by creating a function block

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

AKTS Workload

Activity	Duration (Hour)	Count	Workload
		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**