Year

Department of Computer Technologies / Department of Computer Technologies /

Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
BİL106	OBJECT - ORIENTED PROGRAMMING I	3.00	1.00	0.00	4.00	5.00

Course Detail

Course Language	:	Turkish
Qualification Degree	:	PreBachelor
Course Type	:	Compulsory
Preconditions	:	Not
Objectives of the Course	:	The aim of the course is to provide students with the ability to develop programs in an object-oriented programming language and to produce solutions to problems encountered during the development process.
Course Contents	:	Introduction to object-oriented programming, decision structures, loops, receiving data from the user with the scanner class, arithmetic and logical operations, application-oriented loop usage, nested conditional structures and problem solving, arrays, methods, classes and objects, constructor methods, using libraries, hidden variables and access.
Recommended or Required Reading	:	Computer, projector, auxiliary resources https://www.btkakademi.gov.tr/portal/course/uygulamalarla-nesne-yonelimli-programlama-27027 https://www.btkakademi.gov.tr/portal/course/java-ile-programlamaya-giris-9617 https://www.btkakademi.gov.tr/portal/course/ileri-seviye-java-9353 https://web.cs.hacettepe.edu.tr/~bbm102/misc/java_notes_by_oa.pdf https://www.w3schools.com/java/default.asp Çobanoğlu, B. (2024). Yeni Başlayanlar için Java (Eğitim Videolu). Abaküs Kitap
Planned Learning Activities and Teaching Methods	:	Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method
Recommended Optional Programme Components	:	Weekly course content should be followed and practices should be done from the recommended sources and the sources uploaded to the system.
Course Instructors	:	Öğr. Gör. Fethullah Mustafa Akalp
Instructor's Assistants	:	-----
Presentation Of Course	:	Face to Face
Update Date	:	2/5/2026 1:44:04 PM
Dosya İndirilme Tarihi	:	2/5/2026

Course Outcomes

Upon the completion of this course a student :

1 Can perform operations using basic data types, variables and operators in an object-oriented programming language

2 Can create programs with decision structures and loops

3 Can define methods in their programs and call them when necessary

4 Can develop programs using ready-made libraries

5 Can create the basis of an object-oriented program by defining classes and objects

Pre / Side Conditions

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Weekly Contents

	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods	Course Learning Outcomes
1.Week	*Introduction to Object Oriented Programming, Data Types	*Introduction to Object Oriented Programming, Data Types	*Introduction to Object Oriented Programming, Data Types	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1
2.Week	*Control Structures	*Control Structures	*Control Structures	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2
3.Week	*Loops	*Loops	*Loops	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2
4.Week	*Receiving Data from the User with the Scanner Class	*Receiving Data from the User with the Scanner Class	*Receiving Data from the User with the Scanner Class	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.4
5.Week	*Arithmetic and Logical Operations	*Arithmetic and Logical Operations	*Arithmetic and Logical Operations	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.4
6.Week	*Application Oriented Loop Usage	*Application Oriented Loop Usage	*Application Oriented Loop Usage	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.4
7.Week	*Nested Conditional Structures and Problem Solving	*Nested Conditional Structures and Problem Solving	*Nested Conditional Structures and Problem Solving	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.4
8.Week	*Midterm Exam					
9.Week	*Arrays	*Arrays	*Arrays	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.4
10.Week	*Methods	*Methods	*Methods	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.3 Ö.Ç.4
11.Week	*Classes and Objects	*Classes and Objects	*Classes and Objects	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.3 Ö.Ç.4 Ö.Ç.5
12.Week	*Classes and Objects	*Classes and Objects	*Classes and Objects	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.3 Ö.Ç.4 Ö.Ç.5
13.Week	*Founding Methods	*Founding Methods	*Founding Methods	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.3 Ö.Ç.4 Ö.Ç.5
14.Week	*Library Use	*Library Use	*Library Use	*Resources: The topic of the relevant week from the resources uploaded to the system + The topic of the relevant week from the recommended resources	*Lecture Method, Demonstration Method, Problem Solving Method, Question and Answer, Individual Study Method	Ö.Ç.1 Ö.Ç.2 Ö.Ç.3 Ö.Ç.4 Ö.Ç.5
15.Week	*Final Exam					

Assesment Methods %

1 Ara Sınav : 40.000

3 Final : 60.000

ECTS Workload

Activities	Count	Time(Hour)	Sum of Workload
Vize	1	1.00	1.00
Final	1	1.00	1.00
Ara Sınav Hazırlık	7	2.00	14.00
Final Sınavı Hazırlık	14	2.00	28.00
Laboratuvar	14	4.00	56.00
Ders Öncesi Bireysel Çalışma	11	2.00	22.00
Ders Sonrası Bireysel Çalışma	14	2.00	28.00
			Total : 150.00
			Sum of Workload / 30 (Hour) : 5
			ECTS : 5.00

Program And OutcomeRelation

	P.O.1	P.O.2	P.O.3	P.O.4	P.O.5	P.O.6	P.O.7	P.O.8	P.O.9	P.O.10	P.O.11	P.O.12	P.O.13	P.O.14	P.O.15
	P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14	P.O. 15
L.O. 1	5	0	5	5	5	0	0	0	0	0	5	0	0	0	0
L.O. 2	5	0	5	5	5	0	0	0	0	0	5	0	0	0	0
L.O. 3	5	0	5	5	5	0	0	0	0	0	5	0	0	0	0
L.O. 4	5	0	5	5	5	0	0	0	0	0	4	0	0	0	0
L.O. 5	5	0	5	5	5	0	0	0	0	0	5	0	0	0	0
Avarage	10.00	0	8.00	9.00	8.00	0	0	0	0	0	9.80	0	0	0	0

Ders/Program Çıktıları İlişkisi

P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14	P.O. 15
25	0	15	20	15	0	0	0	0	0	25	0	0	0	0

Engel Durumu/Uyarlama Talebi : Engel durumuna ilişkin herhangi bir uyarlama talebinde bulunmak isteyen öğrenciler, dersin öğretim elemanı ya da Nevsehir Engelli Öğrenci Birimi ile en kısa sürede iletişime geçmelidir.