

Department of Computer Technologies / Department of Computer Technologies /						
Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
BİL101	MATHEMATICS	3.00	0.00	0.00	3.00	4.00
Course Detail						
Course Language	: Turkish					
Qualification Degree	: PreBachelor					
Course Type	: Compulsory					
Preconditions	: Not					
Objectives of the Course	: Lecture topics covered, and sufficient mathematical foundation necessary to teach effectively. Mathematics courses of vocational subjects learned to better understand and be able to use mathematics profession.					
Course Contents	: Numbers, Basic Concepts, Base Arithmetic, Exponential and Radical Numbers, Equations and Inequalities, Relations and Functions					
Recommended or Required Reading	: 1. Source Book: Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi  2. Source Book:Balcı S.(2002).Meslek Yüksekokulları İçin Genel Matematik.Ankara: Ankara Üniversitesi Basımevi 3. Source Book: Balcı M.(2000) .Genel Matemetik1. Ankara :Ankara Üniversitesi Fen Fakültesi Yayınları 4. Source Book:https://ets.anadolu.edu.tr/storage/nfs/MAT103U/ebook/MAT103U-12V3S1-8-0-1-SV1-ebook.pdf 5. Source Book:Aktepe, U. (2017). Temel matematik (Meslek yüksek okulları için). Umuttepe Yayınları 6. Source Book:https://avys.omu.edu.tr/storage/app/public/gokhan.salman/121057/ofis%20programlar%C4%B1-ll.pdf					
Planned Learning Activities and Teaching Methods	: Lecturing, problem solving, discussion					
Recommended Optional Programme Components	: Students should review the topics they learned each week with different examples before the previous week.					
Course Instructors	: Öğr. Gör. Fethullah Mustafa Akalp					
Presentation Of Course	: Face to face					
Update Date	: 8/29/2025 7:13:24 PM					
Dosya İndirilme Tarihi	: 9/12/2025					

Course Outcomes
Upon the completion of this course a student :
1 Can do arithmetic operations.
2 Can do operations with numbers in different number systems
3 Can perform exponent and root calculations
4 Can perform operations with functions

Preconditions						
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Weekly Contents						
	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods	Course Learning Outcomes
1.Week	*Recognizing Basic Concepts			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page:1-9	*Lecturing, problem solving, discussion	
2.Week	*Operating with numbers			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page :10	*Lecturing, problem solving, discussion	
3.Week	*Performing Base Arithmetic operations			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page:33-39	*Lecturing, problem solving, discussion	
4.Week	*Working with Rational Numbers			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page:11	*Lecturing, problem solving, discussion	
5.Week	*Working with Decimal Numbers			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page:12	*Lecturing, problem solving, discussion	
6.Week	*Working with Consecutive Numbers			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page:13-15	*Lecturing, problem solving, discussion	
7.Week	*Solving OKEK and GCD problems			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page:13-15	*Lecturing, problem solving, discussion	
8.Week	*mid-term exam					
9.Week	*Working with Exponential Numbers			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page :65-72	*Lecturing, problem solving, discussion	
10.Week	*Working with Radical Numbers			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page :65-72	*Lecturing, problem solving, discussion	
11.Week	*Solving Equations			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page :40-54	*Lecturing, problem solving, discussion	
12.Week	*Solving Problems			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page :58-64	*Lecturing, problem solving, discussion	
13.Week	*Performing Identities and Factorization			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page :23-32	*Lecturing, problem solving, discussion	
14.Week	*Performing operations on functions			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page :125-158	*Lecturing, problem solving, discussion	
15.Week	*Performing operations on functions			*Akyüz E.T (2019) Temel ve Genel Matematik.Ankara: İksat Yayınevi page :125-158	*Lecturing, problem solving, discussion	
16.Week	*Final Exem					

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	1.00	7.00
Teorik Ders Anlatım	15	3.00	45.00
Bütünleme	1	1.00	1.00
Final Sınavı Hazırlık	15	1.00	15.00
Ders Sonrası Bireysel Çalışma	15	1.00	15.00
Problem Çözme	15	2.00	30.00
Diğer	5	1.00	5.00
Total :			120.00
Sum of Workload / 30 ( Hour ) :			4
ECTS :			4.00

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
L.O. 1	5	0	0	0	5	0	0	0	0	0	0	5	0	0	0
L.O. 2	5	0	0	0	5	0	0	0	0	0	0	5	0	0	0
L.O. 3	5	0	0	0	5	0	0	0	0	0	0	5	0	0	0
L.O. 4	5	0	0	0	5	0	0	0	0	0	0	5	0	0	0
Avarage	5.00	0	0	0	5.00	0	0	0	0	0	0	5.00	0	0	0

BEWARE OF PLAGIARISM! Please pay attention to proper academic citation rules and avoid plagiarism, an unethical and academically fraudulent behavior, when completing reports, assignments, or other academic works, and it is treated with the same disciplinary action as cheating in a classroom setting. It is imperative to refrain from presenting another person s ideas, language, expressions, or any other form of intellectual property as your own. Regardless of quality, your assignments/projects/research should reflect your original work. Perfection is not a requirement, and in case of any uncertainties regarding academic writing guidelines, you may seek clarification from your course instructor.

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.