

Year

Department of Management and Organization / Department of Management and Organization /						
Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
GLOJ 211	COMMERCIAL MATHEMATICS	2.00	1.00	0.00	3.00	3.00
Course Detail						
Course Language	: Turkish					
Qualification Degree	: PreBachelor					
Course Type	: Optional					
Preconditions	: Not					
Objectives of the Course	: To make solution transactions that can be met in economic life and vocational courses.					
Course Contents	: Functions and graphs; linear functions and straight lines; polynomials; exponential and logarithmic functions; simple interest; compound interest; effective rates; future value; present value; amortisation and annuities; limit; derivative; marginal analysis in economics; optimisation.					
Recommended or Required Reading	: Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım Zehir, H (2011). Ticari Matematik, Murathan Yayınevi					
Planned Learning Activities and Teaching Methods	: Solving examples related to the topic					
Recommended Optional Programme Components	: It was recommended to do it again.					
Course Instructors	: Öğr. Gör. Dr. Ferhat Canlitepe					
Instructor's Assistants	: There is no teaching assistant teaching the course.					
Presentation Of Course	: Face to face					
Update Date	:					
Dosya İndirilme Tarihi	: 9/9/2026					

Course Outcomes
Upon the completion of this course a student :
1 Knows the basic concepts about the commercial Mathematics
2 Be able to make calculations related to the concepts of profit and loss.
3 Solve problems involving percent and thousandths calculations.
4 The company can share the profit proportionally in its calculations.
5 Can use mathematical skills in his/her field of expertise.
6 By learning simple and compound interest calculations, students can find solutions to problems.
7 Learn discount calculations.
8 It can solve alloy problems related to mines.
9 Understand how promissory note renewal and change occur

Pre / Side Conditions							
Course Code	Course Name	Condition	Teorical	Practice	Laboratory	Credits	ECTS

Weekly Contents						
	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods	Course Learning Outcomes
1.Week	*Ratio and proportion calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/1.hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf11-35 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,29-46		
2.Week	*Ratio and proportion calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/2.hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf11-35 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,29-46		
3.Week	*Proportional Division and Company Accounts			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/3.Hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf11-35 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,77-92		
4.Week	*Proportional Division and Company Accounts			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/3.Hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf11-35 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,77-92		
5.Week	*Percentage Calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/4.hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 41-58		
6.Week	*Sales at cost, cost and profit calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/4.hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 41-58		
7.Week	*Mixture Calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/10.hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 65-132 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,140-195		
8.Week	*Midterm Exam					
9.Week	*Mixture Calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/10.hafta.pdf *https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/11.hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 65-132 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,140-195		
10.Week	*Simple Interest Calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/6.hafta 12.11.2020.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 189-205 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,97-106		
11.Week	*Simple Interest Calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/7.hfta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 189-205 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,97-106		
12.Week	*Alloy Calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/9.hafta y.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 206-227 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,109-136		
13.Week	*Simple Discount Calculations			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/12.hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 137-185 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,199-205		
14.Week	*Internal and external discount calculations in simple discounting			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/12.hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 137-185 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,199-205		
15.Week	*Equivalent bonds			*https://sistem.nevsehir.edu.tr/bizdosyalar/c73e52eea876c9f76cd5ed1cc8c62ef5/15.hafta.pdf Parlak, S (2011). Ticari Matematik, Ekin Basım Yayım Dağıtım, syf 172-185 Zehir, H (2011). Ticari Matematik, Murathan Yayınevi,206-231		

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
Ders Öncesi Bireysel Çalışma	14	1.00	14.00
Ara Sınav Hazırlık	7	1.00	7.00
Final Sınavı Hazırlık	7	1.00	7.00
Teorik Ders Anlatım	14	3.00	42.00
Diğer	2	1.00	2.00
Ders Sonrası Bireysel Çalışma	6	1.00	6.00
Derse Katılım	10	1.00	10.00
Total : 90.00			
Sum of Workload / 30 (Hour) : 3			
ECTS : 3.00			

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
L.O. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
L.O. 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.O. 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Avarage	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

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
0	0	0	0	0	0	0	0	0	0	0	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 Nevşehir Engelli Öğrenci Birimi ile en kısa sürede iletişime geçmelidir.