

VOCATIONAL SCHOOL BANKING AND INSURANCE PROGRAM

Course Code		Course Name				Credit		ECTS Value		
MAT145		Business Mathematics 2 (2-0-2)						5		
Prere	equisite ses	None								
Course Language		Turkish	Course Delivery Method:			e-to-Face				
	se Type ₋evel	Compulsory /1st Year	/Fall Semester							
ı		s Title, Name and turname	Course Hours		Office Hours			Contact		
	Lecture	r Betül AKTAŞ	Monday 13:25	5-14:55 N	Monday 11:00-12:0		00 betulaktas@cag.edu.tr		as@cag.edu.tr	
Cour Coor	se dinator	Lecturer Betül AKTAŞ								
	_		Cours	se Objective						
								Course Objective		
S	Upon suc	cessful completion of thi	s course, the student will be able to;					ourse jective	Course Objective	
tcom	1	Defines basic concepts, types of numbers, rational and exponential numbers, and interest calculation methods.						1	5	
) Out	2	Classifies sets of numbers.						1	5	
rning	3	Explains the role of ratio-proportion, percentage calculation, and algebraic operations in financial and commercial transactions.						1	5	
Lea	4	Applies the steps of operations in the correct order.						1	5	
Course Learning Outcomes	5	Applies types of interest, profit–loss, and cost–income calculations to real-life financial examples.						4	5	
ŭ	6	Forms and solves first-degree equations and applies the results to simple financial situations in business life.						4	5	
	7	Develops solutions to in business and banking	ng operations.	·				4	5	
The Business Mathematics course aims to equip Banking and Insurance program student ability to analyze financial and commercial transactions using mathematical methods. It covers such as interest, ratio—proportion, discount, profit—loss, cost, and income calculations, a algebra and basic calculation concepts that support decision-making processes in seconomic fields. In this way, students develop analytical thinking and problem-solving skill with mathematical reasoning and numerical analysis competencies.									It covers topics ons, as well as in social and	
		C	Course Content:	(Weekly Co	urse Plan					
Wee	k	Topic		Prepa	Preparation		Teaching Methods and Techniques			
1		Concepts		Textbook, \$			Lecture			
2	Numb			Textbook, \$			ture, Problem Solving			
3		al Numbers			·			ecture, Problem Solving		
4		nential Numbers						Lecture, Problem Solving		
5		and Proportion		Textbook, Slides Textbook, Slides			Lecture, Problem Solving Lecture, Problem Solving			
6		ntage Calculation of Interest and Interest	Calculation	Textbook, Slides Lecture, Problem Textbook, Slides Lecture, Problem						
7		m Exam	Gaiodiation	All Course			Application			
8	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		7 COUIDO	III Course Motes			Αρμιτατίστ			



9	Midterm Exam				All Co	ourse Notes		Application		
10	Algebraic Ope	d Identities		Textbook, Slides		Lecture, Problem Solving				
First-Degree Equations with One Varia				able	Textb	ook, Slides	Lecture, Problem Solving			
First-Degree Equations with Two Varial				ables	Textb	ook, Slides	Lecture, Problem Solving			
13 Functions					Textb	ook, Slides	Lecture, Problem Solving			
14 Graph Reading					Textb	ook, Slides	Lecture, Problem Solving			
15 Project Submission					All Course Notes			ject Preparation		
16	16 Sample Question Solving				All Co	ourse Notes	Problem Solving			
17	17 Final Exam				All Co	ourse Notes	Application			
18	Final Exam			All Co	Course Notes		Application			
				Course	Reso	urces				
Textboo Recomr Resource	406-872 İşletme I	-0; Ankara; 20 Matematiği ,Tı)21 ununay Y	çin Matematik; Öğr.Gör.Dr.Birkan Durak; Nobel Yayınevi; 978-625- 11 nunay Yılmaz, Nobel Yayın Dağıtım,2006 al Bilimler için Matematik, Ergün Eroğlu, Dora Yayıncılık, 2014						
Nesour	003	işictilic,		•		and Evaluation	rogia, Dora i	ayındırık, 2014		
Activities Number					Contribution			Notes		
Midterm Exam 1			1	%30	Written Exam					
Project			1	%20)	Individual Report				
Final Exam			1	%50)	Written Exam				
				EC	TS Tab	le				
	ent		Number		Hour		Total			
Course I			14	14 2			28			
Out-of-C			14	. 2			28			
Internet	•		10	2			20			
Topic Co	oplications	3	4		3		12			
Project			1		15		15			
Midterm Exam (Midterm Exam Duration + Midterm Exam Preparation)				1		20		20		
Final Exam (Final Exam Duration + Final Exam Preparation)						25		25		
. ropura							Total:	148		
	=148/30=4,93									
	CTS Credit:	5								