

MATHEMATICS AND ITS REAL WORLD APPLICATIONS

1	Course Title:	MATHEMATICS AND ITS REAL WORLD APPLICATIONS	
2	Course Code:	MAT4109	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. RIDVAN EZENTAŞ	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	rezentas@uludag.edu.tr 0224 2942304 Uludağ Üniversitesi Teknik Bilimler MYO 16059 Nilüfer/BURSA	
17	Website:		
18	Objective of the Course:	To be understand Mathematics is a part of daily life and solve problems related to it.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	The algebraic operations related to the numbers implements to the everyday life.
		2	The operations related to the functions implements to the everyday life.
		3	The applications of the derivative implements to the everyday life.
		4	The operations related to integral implements to the everyday life.
		5	The operations related to geometry implements to the everyday life.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Introducing the course, rudiments		
2	Numbers and the everyday life		
3	Numbers and the everyday life		
4	Numbers and the everyday life		

5	Geometry and the everyday life	
6	Geometry and the everyday life	
7	Functions and the everyday life	
8	Functions and the everyday life	
9	Midterm Exam	
10	Derivative and the everyday life	
11	Derivative and the everyday life	
12	Derivative and the everyday life	
13	Integral and the everyday life	
14	Integral and the everyday life	

22	Textbooks, References and/or Other Materials:	Kemal ÇİNÇİN, Matematik ve Gerçek Yaşam, MATH CLUB MATEMATİK YAYINLARI
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23	Assesment	
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	10	4.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	6.00	84.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	30.00	30.00
Total Work Load			176.00
Total work load/ 30 hr			5.87
ECTS Credit of the Course			4.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	2	4	3	3	0	0	0	3	0	0	0	0	4	0	0
ÖK2	4	2	4	3	3	0	0	0	3	0	0	0	0	4	0	0
ÖK3	4	2	4	3	3	0	0	0	3	0	0	0	0	4	0	0
ÖK4	4	2	4	3	3	0	0	0	3	0	0	0	0	4	0	0

ÖK5	4	2	4	3	3	0	0	0	3	0	0	0	0	4	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			