MATHEMATICS FOR TECHNICIANS II

1	Course Title:	MATHEMATICS FOR TECHNICIANS II	
2	Course Code:	OTPZ102	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. RIDVAN EZENTAŞ	
15	Course Lecturers:	Prof.Dr. Rıdvan EZENTAŞ Doç.Dr. Basri ÇELİK Öğr.Gör. Hülya BOZYOKUŞ Yrd.Doç.Dr. Nisa ÇELİK Yrd.Doç.Dr. Hacer ÖZDEN Yrd.Doç.Dr. Sezayi HIZLIYEL Yrd.Doç.Dr. Emrullah YAŞAR Öğr.Dr.Dr. Filiz GÜLSOY	
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:	The student, for the profession to gain the necessary competence to apply mathematical knowledge and skills to work.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	The operations related to the functions implements to the profession.
		2	The operations related to trigonometric, exponential and logarithmic functions implements to the profession.
		3	The operations related to limits implements to the profession.
		4	The applications of the derivative implements to the profession.
		5	The operations related to integral implements to the profession.
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		10	
21	Course Content:		
	Course Content:		

Week	Theoretical	Practice
1	Introducing the course, rudiments	
2	The concept of function	
3	Sets the definition of functions, Functions of Operations	
4	trigonometric, exponential and logarithmic functions	
5	limit concept, the concept of derivative and derivative rules,	
6	functions of derivatives	
7	functions of derivatives	
8	General Repetition and Midterm Exam	
9	Professional applications of Derivatives	
10	Indefinite Integral	
11	Indefinite Integral	
12	Definite integral and its applications	
13	Definite integral and its applications	
14	Definite integral and its applications	

22	Textbooks, References and/or Other Materials:	Basri Çelik (2010), Temel Matematik, Dora Yayınları Basri Çelik (2012), Mesleki Matematik, Dora Yayınları
23	Assesment	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Quiz	0	0.00	
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	1.00	14.00
Final Exam	1	60.00	
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Contribution of Term (Year) Learning Activities to	40.00		
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Contribution of Final Exam to Success Grade	60.00		
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Measurement and Evaluation Techniques Used in the			
Total Work Load			62.00
Total work load / 30 (h)			2.07
24 ECTS / WORK LOAD TABLE			
ECTS Credit of the Course			3.00

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	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0

ÖK5	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications					
Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**