MATHEMATICS WITH MATLAB										
1	Course Title:	MATHEN	MATICS WITH MATLAB							
2	Course Code:	MAT408	3							
3	Type of Course:	Optional								
4	Level of Course:	First Cyc	le							
5	Year of Study:	4								
6	Semester:	7								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Prof. Dr.	BASRİ ÇELİK							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	basri@u 0224.294	ludag.edu.tr 41762							
17	Website:									
18	Objective of the Course:	To find a solutions of some matematical problems on various subject with using Matlab.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	to be able to find a result of the numerical operations.							
		2	to be able to calculate operations of vectors and matrices with Matlab.							
		3	to be able to use Matlab for array and sequence operations.							
		4	to be able to make operations on functions with Matlab.							
		5	to be able to make operations with polinoms using Matlab.							
		6	to be able to find solutions of equations with Matlab.							
		7	to be able to find solutions of linear equations systems with Matlab.							
		8	to be able to calculate differential and integral.							
		9	to be able to plot for functions.							
		10	to be able to make some basic programs with Matlab.							
21	Course Content:									
		Co	ourse Content:							
	Theoretical		Practice							
1	Information about course.									
2	Elementary arithmetic operations, va and assigments.									
3	Algebraic experssions and polynoms Matlab.	s with								
4	Basic plotting commands with Matlat	D.								

5	Plotti	ng ir	n spac	ce and	l plotti	ng spa	ce cu	rve.												
6	Solutions of Equations and system of equations.																			
7	Solut inequ			equalit	y and	syster	n of													
8	Array	/s ar	nd arra	ay ope	ratior	IS														
9	Vecto	ors a	ind ve	ector o	perati	ons.														
10	Matri	ces	and M	latrix of	opera	tions.														
11	Diffe	renti	al anc	l its ap	plicat	ions.														
12	Integ	ral a	nd its	appli	cation	s.														
13	Some	e pro	gram	ming	comm	ans of	Matla	ıb.												
14	Introd	ducti	on to	Matla	b prog	grammi	ng.													
22	Textbooks, References and/or Other Materials:								Ú	ı 1)Her Yönü İle Matlab, Yrd. Doç. Dr. Mehmet UZUNOĞLU, Ali KIZIL, Ömer Çağlar ONAR, Türkmen Kitabevi, İstanbul.										
										2) Matlab İle Mühendislik Sistemlerinin Analizi Ve Çözümü, İbrahim YÜKSEL, Dora Yayınevi, Bursa.										
23	Asse	sme	nt																	
TERM L	EARN	IING	ACTI	VITIES	;			IUMBE	W	WEIGHT										
Midtern	erm Exam 1									40.00										
Quiz							0)	0.0	0.00										
Activit	ctivites									Numb	er		Dura	ition (Total Work Load (hour)					
Tatedre	FAEdretical 2												3.00	3.00 42.00						
Practic	als/La	ıbs								0						0.00				
Self stu	udy an	id pr	epera	tion						14				4.00			56.00			
Homew		~		vone t	<u> </u>		*~~			14				3.00			42.00			
Lotal Project	ts								T	100.00				0.00			0.00			
Field S	tudies	5								0 0.00						0.00				
Midtern	, Texa	ms,				TAD				1 5.00						5.00				
Others	IEM EXAMS / WORK LOAD TABLE									0 0.00					0.00					
Final E	l Exams										1 5.00				0 5.00					
Total W	al Work Load												150.00							
Total w	tal work load/ 30 hr										5.00									
ECTS (TS Credit of the Course										5.00									
25	CONTRIBUTION OF LEAI										ουτα		S TO I	PROG	GRAM	ME				
	QUALIFICATIONS																			
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	1		1	1	5	1	1	4	1	4	4	0	0	0	0	0	0			
ÖK2	1		1	1	5	1	1	4	1	4	4	0	0	0	0	0	0			
ÖK3	1		1	1	5	1	1	4	1	4	4	0	0	0	0	0	0			
ÖK4	1		1	1	5	1	1	4	1	4	4	0	0	0	0	0	0			

ÖK5	1	1	1	5	1	1	4	1	4	4	0	0	0	0	0	0
ÖK6	1	1	1	5	1	1	4	1	4	4	0	0	0	0	0	0
ÖK7	1	1	1	5	1	1	4	1	4	4	0	0	0	0	0	0
ÖK8	1	1	1	5	1	1	4	1	4	4	0	0	0	0	0	0
ÖK9	1	1	1	5	1	1	4	1	4	4	0	0	0	0	0	0
ÖK10	1	1	1	5	1	1	4	1	4	4	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 Iow		3 Medium			4 High				5 Very High			