SEMESTER	Spring

COURSE CODE	821618028	COURSE NAME	Maple II
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SEMESTE	WEF	EKLY COUR	IOD COURSE OF						
R	Theory	Practice Labra		atory	Credit	ECTS	ТҮРЕ	LANGUAGE	
8	2	2	0)	3	3 5 COMPULSORY () ELECTIVE (X		Turkish	
				COUR	SE CATA	GORY			
Mathematics Computer		er					Social Science		
X		X							
			A	ASSESSI	MENT CE	RITERIA	\		
					aluation T	Гуре	Quantity	%	
				1st Mic			1	50	
					d-Term				
	MID-T	ERM		Quiz					
				Homew					
				Project					
				Report Others	+				
FINAL EXAM			Others	()		1	50		
PREREQUIEITE(S) None			None.	None.					
COURSE DESCRIPTION			Maple Program Maple and Mathematics, Programming in MAPLE						
СО	URSE OB	JECTIVES		The aim of this course is to introduce the Mathematical Program, MAI V, and solving Some Basic Math Problems in MAPLE.					
		URSE TO API L EDUATION		Ability of using computer programming and solve fundamental mathematical problems					
COURSE OUTCOMES			Be able to solve some Math problems in MAPLE.						
	ТЕХТВ	оок		1-) Maple V : B. W. Char; K. O. Geddes; G. L. Gonnet – Springer Verlag 2-) Maple ve Matematik : Basri Çelik					
ОТ	HER REF	ERENCES		Maple V Computer Program					
TOOLS ANI	D EQUIPM	MENTS REQU	JIRED None.						

COURSE SYLLABUS				
WEEK	TOPICS			
1	What is the MAPLE? (A Review)			
2	MAPLE and Mathematics			
3	Graphing in MAPLE			
4	Graphing in MAPLE			
5	Graphing in MAPLE			
6	Graphing in MAPLE			
7	Applications			
8	Mid-term Exam			
9	Programming in MAPLE			
10	Programming in MAPLE			
11	Programming in MAPLE			
12	Programming in MAPLE			
13	Applications			
14	Applications			
15,16	Final Exam			

NO	PROGRAM OUTCOMES	3	2	1
1	The ability to apply knowledges of Mathematics - Computer,	X		
2	To have sufficient theoretical and practical knowledge of Mathematics at international level,		X	
3	The ability of describing, modelling and solving of mathematical problems at Mathematics and related subjects,		X	
4	The skill to solve and design a problem process in accordance with a defined target,		X	
5	Skills to analyze data, interpret and apply to other datum and using these data on computer,		X	
6	The skill to use the modern techniques and computational tools needed for mathematical applications,		X	
7	The skill to make team work within the discipline and interdisciplinary,		X	
8	The ability to improve oneself by following the developments on other modern, scientific and technological subjects as well as Mathematics - Computer,		X	
9	The skill to communicate orally and in written way, in a clear and concise manner by having individual work skills and ability to independently decide and analytical thinking,			X
10	The skill to have professional and ethical responsibility,		X	
11	The skill to have consciousness for quality issues and scientific research,		X	
12	The skill to be sensitive to environmental issues related with problems and development of living area and consistent in the social relations,			X
13	Ability to solve problems in the working life faced to find an appropriate algoritms via mathematical modeling and to write computer programs,		X	
14	The skill to developed design of software systems at different complex levels,			X
15	The credence of necessity of life-long learning and ability to apply the formation long-life learning.	X		
1:Non	e. 2:Partially contribution. 3: Completely contribution.			

Instructor(s): Assoc. Prof. Ahmet Faruk ASLAN

Signature: Date: