	COOR	DINA	TE GEOMETRY I
1	Course Title:	COORD	INATE GEOMETRY I
2	Course Code:	MAT532	3
3	Type of Course:	Optional	
4	Level of Course:	Second	Cycle
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	6.00	
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	face
14	Course Coordinator:	Prof. Dr.	Atilla AKPINAR
15	Course Lecturers:		Basri ÇELİK Fatma ÖZEN ERDOĞAN
16	Contact information of the Course Coordinator:	E-posta: Telefon: Adres: L	aakpinar@uludag.edu.tr +90 224 2941774 Iludağ Üniversitesi Fen-Edebiyat Fakültesi Matematik 16059 Görükle-Bursa-TÜRKİYE
17	Website:		
18	Objective of the Course:		the ability of solution by converting a given problem to an c problem and so to improve the ability of mathematical
19	Contribution of the Course to Professional Development:		the ability of solution by converting a given problem to an c problem and so to improve the ability of mathematical
20	Learning Outcomes:		
		1	Can algebraically state the concepts of points and lines in the plane.
		2	Can use determinants of order two and third.
		3	Can algebraically state the concepts of lines and planes in the space
		4	Can use transformations of coordinates
		5	Can establish a relation between geometric properties and algebraic properties
		6	
		7	
		8	
		9	
		10	
21	Course Content:		
		Co	ourse Content:
Week	Theoretical		Practice

1	An equation of first degree in two unl cartesian coordinates in the plane, di between two points							
2	An equation of a line, parametric equ a line	ation of						
3	Slope of a line, Two equations of first in two unknowns, determinants of the order							
4	The set of lines through a point, axes	3						
5	Circle, line coordinates							
6	Rectangular coordinates in space							
7	Distance between two points							
8	An equation of plane, two homogene equations of first degree in three unk							
9	Determinants of the third order							
10	Three homogeneous equations of firs in three unknowns	st degree						
11	Equations of planes determined by c	ertain						
Activit			Number	Duration (hour)	Total Work Load (hour)			
Theore	tical Transformations of reatangular agord	L'a e t e e	14	3 00	42.00			
	als/Labs		0	0.00	0.00			
Self stu	dy and preperation		14	9.00	126.00			
Homew	vorks		0	0.00	0.00			
Project	\$		0	0.00	0.00			
Field S			0	0.00	0.00			
Midtern	Marenals:		Publications, 2005.	0.00	0.00			
Others			0	0.00	0.00			
Final E			The Macmillan Company	1,2. 90 9.	12.00			
	Vork Load			,	180.00			
	ork load/ 30 hr		Luxton, Nabu Press, 20 ⁻	0.	6.00			
ECTS (Credit of the Course		,		6.00			
			Hari Kishan, Atlantic Publishers & Distributors (P) Ltd., 2010.					
23	Assesment							
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT					
Midtern	n Exam	0	0.00					
Quiz		0	0.00					
Home v	work-project	0	0.00					
Final E		1	100.00					
Total		1	100.00					
	oution of Term (Year) Learning Activitiess Grade	es to	0.00					

Contribution of Final Exam to Success Grade								100	100.00							
Total								100	0.00							
Measurem Course	nent ar	nd Eva	luatio	n Tec	hnique	s Use	d in th	ne Th	e syste	em of ı	elative	evaluat	ion is a	applied.		
24 E0	CTS/	WO	RK L	OAD	TAB	LE										
25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	4	1	0	1	2	2	1	3	2	0	0	0	0	0	0
ÖK2	3	4	1	0	1	1	1	1	2	1	0	0	0	0	0	0
ÖK3	3	4	2	0	2	1	1	2	2	1	0	0	0	0	0	0
ÖK4	5	5	2	0	2	1	1	2	2	1	0	0	0	0	0	0
ÖK5	4	4	1	0	2	2	2	1	3	2	0	0	0	0	0	0

	LO: L	earning Obje	ctives PQ: P	rogram Qualifica	itions
Contrib ution Level:	1 very low	2 low	3 Medium	4 High	5 Very High