ANALYTIC GEOMETRY I									
1	Course Title:	ANALYT	IC GEOMETRY I						
2	Course Code:	MAT201	3						
3	Type of Course:	Compuls	ory						
4	Level of Course:	First Cyc	le						
5	Year of Study:	2							
6	Semester:	3							
7	ECTS Credits Allocated:	4.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. CENGIZHAN MURATHAN							
15	Course Lecturers:	Prof. Dr. Kadri ARSLAN,, Prof.Dr. Basri ÇELİK, Prof.Dr.Esen İYİGÜN							
16	Contact information of the Course Coordinator:	cengiz@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	The purpose of this course is to give the principal information about the geometry to the students( which they need to during the undergraduate and graduate education). Teach the ways of how to solve the encountered problems. The other purpose of this course is to construct the fundamental for the Euclid, Differential Geometry and non-Euclidean geometries.							
19	Contribution of the Course to Professional Development:	Learn plane and space Euclead Geometry							
20	Learning Outcomes:								
		1 They learn Affine space.							
		2	They construct Euclidean space.						
		3	They learn the structure of Affine transformations.						
		4	They learn the consept of isometry.						
		5	They learn rotation.						
		6	They calculate the reflections to a line on the plane.						
		7	They classify the intersections of a cone and plane.						
		8	They know the general properties and applications of cones.						
		9	They learn line in plane						
		10							
21	Course Content:								
		Со	urse Content:						
Week	Theoretical		Practice						
1	Vectors in the plane, inner product, a concepts of linear independence	ind some	Exercise						
2	Lines in the plane, the line equations and perpendicular lines, perpendicul projection of a point on a straight line	, parallel ar 9.	Exercise						

3	Directed distance from a line to a poin between two lines, the line bundle.	nt, angle	E	Exercise							
4	Affine transformations in the plane ,translations, rotations.		E	Exercise							
5	A transition from orthogonal coordina system to oblique coordinate system.	te	E	Exercise							
6	Reflections		E	Exercise							
7	General definition of conics, analytica examination of the circle.	al	Exercise								
8	Analytical examination of the ellipse.		Exercise								
9	Analytical examination of hyperbole.		E	Exercise							
10	Analytical examination of the parabol	а.	E	xercise							
11	The definition of curves and classific planar curves.	ation of	Exercise								
Activit	es			Number	Duration (hour)	Total Work Load (hour)					
Theore 13	lical		E	14 xercise	2.00	28.00					
Practica	als/Labs			14	2.00	28.00					
Self stu	dy and properation		E	14 voroico	2.00	28.00					
Homew	vorks		0 0.00 0.00								
Pr <b>22</b> ect	Textbooks, References and/or Other		1)Blacısalihoğlu, H.H., Alta 000k Geometri, Arla 200								
Field S	tudies			0 0.00 0.00							
Midtern	n exams		2	Kaya, R., Analitik Geo	nh <b>eti</b> oi0Bilim Teknik	Ma <b>6y010</b> e∨i,					
Others	A			0	0.00	0.00					
FIB3 E	ASSesment		_	1	20.00						
Total W	vork load 20 br	R	1			120.00					
	Credit of the Course	4				4.00					
Quiz		0	10.00								
Home v	work-project	0	0.00								
Final E	xam	1	60.00								
Total		2	100.00								
Contrib Succes	oution of Term (Year) Learning Activitie ss Grade	es to	40.00								
Contrib	oution of Final Exam to Success Grade	;	60.00								
Total			1(	100.00							
Measur Course	rement and Evaluation Techniques Us	ed in the	The system of relative evaluation is applied								
24 ECTS / WORK LOAD TABLE											

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	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
ÖK5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	Contrib 1 very low ution Level:				2 Iow		3	Medi	um	4 High			5 Very High			