	ANA	LYTIC	GEOMETRY I								
1	Course Title:	ANALYT	IC GEOMETRY I								
2	Course Code:	MAT200	9								
3	Type of Course:	Compuls	sory								
4	Level of Course:	First Cyc	cle								
5	Year of Study:	2									
6	Semester:	3									
7	ECTS Credits Allocated:	4.00									
8	Theoretical (hour/week):	3.00	3.00								
9	Practice (hour/week):	0.00	0.00								
10	Laboratory (hour/week):	0	0								
11	Prerequisites:	None									
12	Language: Turkish										
13	Mode of Delivery:	very: Face to face									
14	Course Coordinator:	Yrd.Doç	Dr. MENEKŞE SEDEN TAPAN BROUTIN								
15	Course Lecturers:	Y.Doç.D	r. Menekşe Seden TAPAN BROUTIN								
16	Contact information of the Course Coordinator:	Y.Doç.Dr. Menekşe Seden TAPAN BROUTIN tapan@uludag.edu.tr 0 224 2942162 Uludağ Üniversitesi Eğitim Fakültesi, A Blok, İlköğretim Bölümü, 16059 Nilüfer, Bursa									
17	Website:										
18	Objective of the Course:	Introducing the coordinates system. Conceptualizing the basic concepts about points, lines and vectors on the plane and on the three-dimensional space.									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	Defines concepts of point and line in plane analytic geometry.								
		2	Relations between point and line in plane can be explained.								
		3	Relations between different coordinate systems can be explained.								
		4	Transitive practice in different coordinate systems can be done.								
		5	Vectors in plane can be defined								
		6	Transformation of displacement in plane can be explained and practiced.								
		7	Transformation of rotation in plane can be explained and practiced.								
		8	Vectors in three-dimensional space can be defined								
		9	Cross and mixed scalar products can be explained								
		10	Concepts of point, line and plane in three-dimensional space can be defined.								
21	Course Content:										
		Co	ourse Content:								
Week	Theoretical		Practice								

1	Coordinate systems, orthogonal cool	rdinate	1								
	system and practice										
2	Coordinate system and practice										
3	Polar coordinate system and practice	9									
4	Vectors in plane										
5	Lines in plane										
6	Cartesian form of line equation, dista between point and line	ince									
7	Coordinate Transformations in Plane	)									
8	Displacement transformation										
9	Rotation transformation										
10	Vectors in three-dimensional space										
11	Vector/cross product										
12	Mixed scalar product										
13	Parallelism and orthogonality of two angles between two lines	lines,									
14	Plane in three-dimensional space, di between point and plane.	stance									
22	Textbooks, References and/or Other Materials:		T 2	Kaya, R. (2009) Analytic Geometry, Science and Technology Publishing     Balci, M. (2011) Analytic Geometry, Balci Publishing     Lecture Notes							
Activit	tes		•	Number	Duration (hour)	Total Work Load (hour)					
Midden	Helam	1	4	0.1 <del>0</del> 0	3.00	42.00					
Practic	als/Labs			0	0.00	0.00					
Fight St.	Wy Rund Preperation	0	0	₫ <del>₫</del>	3.00	42.00					
Homev	vorks		•	0	0.00	0.00					
Preject	ts	2	1	<b>%</b> .00	0.00	0.00					
Field S	Studies			0	0.00	0.00					
Middle	क दिख्य प्राप्त			1	16.00 16.00						
Others				0	0.00	0.00					
Final E	xams		1	љ.oo	20.00	20.00					
Total V	Vork Load					120.00					
Cotatisa	ork load/ 30 hr					4.00					
ECTS	Credit of the Course					4.00					
25	CONTRIBUTION			NING OUTCOMI ALIFICATIONS	ES TO PROGRAM	IME					

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	0	3	0	5	0	5	2	0	0	0	0	0	0	0	0
ÖK2	4	0	3	0	4	0	5	2	0	0	0	0	0	0	0	0
ÖK3	4	0	3	0	4	0	5	2	0	0	0	0	0	0	0	0
ÖK4	4	0	3	0	4	0	5	2	0	0	0	0	0	0	0	0

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