ANALYTIC GEOMETRY II									
1	Course Title: ANALYTIC GEOMETRY II								
2	Course Code:	MAT2014							
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cycle							
5	Year of Study:	2	2						
6	Semester:	4	4						
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	Turkish						
13	Mode of Delivery:	Face to	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:	The students learn Three dimensional Eucled space and basic surfaces in thsi space.							
20	Learning Outcomes:								
		1	They understand the concept of line and plane in space						
		2	They learn the geometric interpretation of vector and scalar product.						
		3	They learn the definition of surface.						
		4	They have general information about Sphere, cone, cylinder surface.						
		5	They learn, surfaces of revolution and quadratic surfaces.						
		6	They learn other coordinate systems in space,cylindrical coordinates, spherical coordinates and polar coordinates						
		7	They learn curves in the space						
		8	Learns the relative positions of planes and lines.						
		9 Learns how the vector cross product relates to area.							
		10							
21	Course Content:								
		Co	ourse Content:						
Week	k Theoretical Practice								

1	Cartesian coordinates in space, Space vectors, vector operations.	ce	Exercise							
2	The line equation in space, parallel a perpendicular lines, angle between to the distance from a Line to a point		Exercise							
3	The intersection point of two lines, the distance between two lines, plane eq Plane equation(three points given)		Exercise							
4	Line and plane relation, the volume of tetrahedron, Planes relative to each of situations, the situations of a line and symmetry.	other	Exercise							
5	Definition of surface and sphere surfa	ace.	Ε	xercise						
6	Cylinde surfacer		Ε	xercise						
7	Cone surface		Ε	xercise						
8	Surfaces of Revolution		Е	xercise						
9	Quadric surfaces		Ε	xercise						
10	Rotations in Space		Ε	xercise						
Activit	tes			Number	Duration (hour					
Theore	ical		Ι	14	2.00	28.00				
Practic	ı als/Labs			14	2.00	28.00				
Self stu	pp lain de proedie extes n			14	2.00	28.00				
Homev				0	0.00	0.00				
Prøject	analytic geometry on the n-dimensio	nal	F	xercise	0.00	0.00				
Field S		iiai	<u> </u>	0	0.00	0.00				
Midterr	la point in R ^ n, if exams I Hyperplane in R ^n_hypersurfaces		E	xercise	16.00					
Others				0	0.00					
Final E	kams			1	20.00	20.00				
Total V	Vork Load					120.00				
	MATERIALS:30 hr		ΙŪ	niversitesi, Fen Fak. M	atematik Bol.Ankar					
	I Credit of the Course					4.00				
			Eskişehir, 1996							
23	Assesment									
TERM L	LEARNING ACTIVITIES	NUMBE R	WEIGHT							
Midterr	m Exam	1	40.00							
Quiz		0	0.00							
Home	work-project	0	0.00							
Final E	xam	1	60.00							
Total		2	100.00							
Contrib	oution of Term (Year) Learning Activitiens Grade	es to	40.00							
Contrib	oution of Final Exam to Success Grade	9	60.00							
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Total		100.00
Measu Course	rement and Evaluation Techniques Used 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	4	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	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
ÖK7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			