

ANALYTICAL GEOMETRY APPLICATIONS

1	Course Title:	ANALYTICAL GEOMETRY APPLICATIONS	
2	Course Code:	İMÖ0016	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. RIDVAN EZENTAŞ	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	rezentas@uludag.edu.tr 0224 2942287 Uludağ Üniversitesi Eğitim Fakültesi, E Blok, Matematik ve Fen Bilimleri Bölümü, Matematik Eğitimi ABD.	
17	Website:		
18	Objective of the Course:	To present the shapes and properties of geometric sizes in a concrete way and to make geometric interpretation of some algebraically expressed information.	
19	Contribution of the Course to Professional Development:	Creates and develops the knowledge base of the prospective teacher. Comprehends the concepts related to the field and the relations between concepts based on the competencies gained in secondary education. Have defines and analyzes problems related to his field, and develops solutions based on evidence and research.	
20	Learning Outcomes:		
		1	define point and line in the analytic plane
		2	define vectors in the plane
		3	restate line in the plane
		4	restate circle in the plane
		5	restate ellipse in the plane
		6	restate hyperbola in the plane
		7	restate parabola in the plane
		8	define vector concept in the space
		9	translate equations of line in the space
		10	translate equations of plane in the space
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Relation between point and line on plane.		
2	Vectors		
3	Transformation Geometry on plane		

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