ESOGÜ Mathematics and Computer Sciences Department
COURSE INFORMATION FORM

SEMESTER	Fall

COURSE CODE	821617033	COURSE NAME	Linear Geometry I

SEMESTER	WEEKLY COURSE PERIOD			Credit	ECTS	COURSE OF	
	Theory	Practice	Labratory			TYPE	LANGUAGE
7	2	2	0	3	5	COMPULSORY () ELECTIVE (x)	Turkish

COURSE CATAGORY				
Mathematics	Computer			Social Science
x				

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	Mid-Term	1	40
	Quiz		
	Homework		
	Project		
	Report		
	Others (………)		
FINAL EXAM		1	60

PREREQUIEITE(S)	None.
COURSE DESCRIPTION	Special subjects in linear geometry, plane geometry, space geometry, linear spaces and polar spaces, some papers belong to linear geometry
COURSE OBJECTIVES	The main of the course is to introduce the concepts and techniques involved in the basic topics listed in this lecture and to develope skills in applying those concepts and techniques to the solution of problems
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Gain the ability of problem solution.
COURSE OUTCOMES	Gain sufficient knowledge of lınear geometry subject, related with science and own branch; an ability to apply theoretical and practical knowledge on solving and modeling of problems.
TEXTBOOK	1-Kaya, R. (2005) Projektif Geometri, Osmangazi üniversitesi yayınları , yayın no:111, Eskişehir. 2- Batten, L.M. (1986). Combinatorics of finite geometries, Cambridge university press.
OTHER REFERENCES	None.
TOOLS AND EQUIPMENTS REQUIRED	None.

COURSE SYLLABUS

WEEK	TOPICS
1	Special subjects in linear geometry
2	Special subjects in linear geometry
3	Special subjects in linear geometry
4	Special subjects in linear geometry
5	Midterm
6	Plane geometry
7	Plane geometry
8	Linear spaces and polar spaces
9	Linear spaces and polar spaces
10	Midterm
11	Space geometry
12	Space geometry
13	Space geometry
14,15	Some papers belong to linear geometry
16,17	Final

NO	PROGRAM OUTCOMES	3	2	1
1	The ability to apply knowledges of Mathematics and Computer Sciences,	x		
2	To have sufficient theoretical and practical knowledge of Mathematics at international level,	x		
3	The ability of describing, modelling and solving of mathematical problems at Mathematics and related subjects,		x	
4	The skill to solve and design a problem process in accordance with a defined target,	x		
5	Skills to analyze data, interpret and apply to other datum and using these data on computer,	x		
6	The skill to use the modern techniques and computational tools needed for mathematical applications,		x	
7	The skill to make team work within the discipline and interdisciplinary,		x	
8	The ability to improve oneself by following the developments on other modern, scientific and technological subjects as well as Mathematics and Computer Sciences,	x		
9	The skill to communicate orally and in written way, in a clear and concise manner by having individual work skills and ability to independently decide and analytical thinking,	x		
10	The skill to have professional and ethical responsibility,	x		
11	The skill to have consciousness for quality issues and scientific research,		x	
12	The skill to be sensitive to environmental issues related with problems and development of living area and consistent in the social relations,		x	
13	Ability to solve problems in the working life faced to find an appropriate algoritms via mathematical modeling and to write computer programs,	x		
14	The skill to developed design of software systems at different complex levels,		x	
15	The credence of necessity of life-long learning and ability to apply the formation long-life learning.		x	
1:None. **2**:Partially contribution. **3**: Completely contribution.				

Instructor(s):

Signature: **Date:**