

Course Code	Course Name	Teorical	Practice	Laboratory	Credits	ECTS
GE207	PRINCIPLES OF CARTOGRAPHY	2.00	0.00	0.00	2.00	3.00
Course Detail						
<b>Course Language</b>	: English					
<b>Qualification Degree</b>	: Bachelor					
<b>Course Type</b>	: Compulsory					
<b>Preconditions</b>	: Not					
<b>Objectives of the Course</b>	: To teach the cartographical thinking skills by examining the definition of the cartography. To have knowledge about basic geodesy concepts used in cartographic projects. Adoption of map projection information and deformation concepts. To understand the concepts of scale, reference and coordinate systems. Explanation of data models for digital cartographic information. To have knowledge about Geographical Information Systems. Cartographic design, color theory and modeling, to gain a point of view in the field of map lettering. Compilation of maps, explanation of selection and generalization concepts.					
<b>Course Contents</b>	: C.1 NATURE OF CARTOGRAPHY C.2 BASIC GEODESY C.3 MAP PROJECTIONS C.4 SCALE, REFERENCE, AND COORDINATE SYSTEMS C.5 DATA MODELS FOR DIGITAL CARTOGRAPHIC INFORMATION C.6 GEOGRAPHIC INFORMATION SYSTEMS C.7 CARTOGRAPHIC DESIGN C.8 COLOR THEORY AND MODELS C.9 TYPOGRAPHY AND LETTERING THE MAP C.10 MAP COMPILATION C.11 SELECTION AND GENERALIZATION					
<b>Recommended or Required Reading</b>	: 1. Arthur Robinson, H. (1958). Elements of cartography. John Wiley And Sons, Inc; New York. 2. Slocum, T. A., McMaster, R. B., Kessler, F. C., & Howard, H. (2009). Thematic cartography and geovisualization.					
<b>Planned Learning Activities and Teaching Methods</b>	: Lectures, quizzes and exams.					
<b>Recommended Optional Programme Components</b>	: Students are required to attend the courses.					
<b>Instructors</b>	: Dr. Öğr. Üyesi Osman Sami Kırtıloğlu					
<b>Instructor's Assistants</b>	: No assistants					
<b>Presentation Of Course</b>	: Face to face.					
<b>En Son Güncelleme Tarihi:</b>	:					

Course Outcomes

Upon the completion of this course a student :

- 1 Ability to Communicate with cartographic products ( deliver information in a variety of formats.)
- 2 Problem Solving (the ability to conceptualize, apply, analyze, synthesizze, and/or evaluate information to formulate and solve problems.)
- 3 Spatial Thinking (the ability to visualize and analyze the spatial relationships between objects).
- 4 Apply cartographic techniques to represent phenomenon in relation to its geographic location
- 5 Ability to create map composition using map elements (map compilation)

Preconditions

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Weekly Contents

	Teorical	Practice	Laboratory	Preparation Info	Teaching Methods	Course Learning Outcomes
1.Week	*Introduction to Cartography.					
2.Week	*The definitions of cartography, map and cartographer by International Cartographic Association.					
3.Week	*Map projections.					
4.Week	*Scale, reference and coordinate systems.					
5.Week	*Data models for digital cartographic information.					
6.Week	*Geographic Information Systems					
7.Week	*Cartographic Design					
8.Week	*Midterm exam					
9.Week	*Color Theory and Models					
10.Week	*Typography and lettering the map					
11.Week	*Map compilation					
12.Week	*Map compilation					
13.Week	*Selection and Generalization					
14.Week	*Revision and complete the uncovered topics.					

Assesment Methods %

1 Mdterms : 40.000

## ECTS Workload

Activities	Count	Time(Hour)	Sum of Workload
Vize / Midterms	1	1.00	1.00
Final / Final	1	1.00	1.00
Derse Katılım / Attending lectures	14	2.00	28.00
Ara Sınav Hazırlık / Preparation for midterm	1	20.00	20.00
Final Sınavı Hazırlık / Preparation for final	1	25.00	25.00
Total :			75.00
Sum of Workload / 30 ( Hour ) :			2
ECTS :			3.00

## Program And OutcomeRelation

	P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11
L.O. 1	0	5	4	0	4	0	0	0	0	0	0
L.O. 2	0	4	5	0	3	0	0	0	0	0	0
L.O. 3	0	4	5	0	5	0	0	0	0	0	0
L.O. 4	0	5	3	0	5	0	0	0	0	0	0
L.O. 5	0	5	5	0	4	0	0	0	0	0	0