

T.C. KONYA TEHCNICAL UNIVERSITY
FACULTY OF ENGINEERING AND NATURAL SCIENCES,
GEOMATICS ENGINEERING DEPARTMENT COURSES
2021 – 2022 CURRICULUM
(DAYTIME EDUCATION)

1ST TERM

Course Code	Course Name	T+P+L	Credit	ECTS	Prerequisite courses and minimum pass grade to take the course	Education type	Lecturer
1205103	<u>MATHEMATICS-1</u>	4+2+0	5	10		Face-to-face	Assist. Prof. Dr.Ömür Kıvanç Kürkçü
1205104	<u>PHYSICS-1</u>	2+1+1	3	7		Face-to-face	Assist. Prof. Dr.Sevda Engin
1205107	<u>TURKISH-1</u>	2+0+0	2	2		Distance education	
1205108	<u>PRINCIPLES OF ATATÜRK AND THE HIS. OF TURK. REV 1</u>	2+0+0	2	2		Distance education	
1205121	<u>FOREIGN LANGUAGE-1 (ENGLISH)</u>	3+0+0	3	3		Distance education	Lecturer İsmail SAKA
1205124	<u>SURVEYING-1</u>	3+0+0	3	4		Face-to-face	Prof. Dr. Cevat ĞNAL
1205125	<u>PROJECT PLANNING</u>	2+0+0	2	2		Face-to-face	Prof. Dr. Cevat ĞNAL

18+3+1 **20** **30**

2ND TERM

Course Code	Course Name	T+P+L	Credit	ECTS	Prerequisite courses and minimum pass grade to take the course	Education type	Lecturer
1205205	<u>MATHEMATICS -2</u>	4+2+0	5	10		Face-to-face	Assist. Prof. Dr.Ömür Kıvanç Kürkçü
1205206	<u>PHYSICS -2</u>	3+0+1	3.5	6		Face-to-face	Assist. Prof. Dr.Sevda Engin
1205208	<u>PRINCIPLES OF ATATÜRK AND THE HIS. OF TURK. REV 2</u>	2+0+0	2	2		Distance education	Öğr.Görv.Tuba ÖZDĞNÇ
1205209	<u>TURKISH-2</u>	2+0+0	2	2		Distance education	Hilal KUZENCĖK
1205221	<u>FOREIGN LANGUAGE-2 (ENGLISH)</u>	3+0+0	3	3		Distance education	Lecturer Muhammet SERVĖ
1205224	<u>SURVEYING-2</u>	3+0+0	3	3		Face-to-face	Prof. Dr. Cevat ĖNAL
1205225	<u>C COMPUTER PROGRAMMING</u>	3+1+0	3.5	4		Face-to-face	Prof. Dr. Ė. Öztuğ BĖLDĖRĖĖĖ

20+3+1 22 30

3RD TERM

Course Code	Course Name	T+P+L	Credit	ECTS	Prerequisite courses and minimum pass grade to take the course	Education type	Lecturer
1205303	<u>LINEAR ALGEBRA</u>	4+0+0	4	9		Face-to-face	Prof. Dr. Dađıstan ğimĒek
1205323	<u>DIFFERENTIAL GEOMETRY</u>	2+0+0	2	5		Face-to-face	Assoc. Prof. Dr.R. Alpay ABBAK
1205325	<u>DATABASES IN ENGINEERING</u>	2+0+0	2	3		Face-to-face	DoĒ.Dr. Őukran YALPIR
1205326	<u>COMPUTER AIDED MAP DRAWING</u>	2+2+0	3	4		Face-to-face	Prof. Dr. Ğ. Öztuđ BĒLDĒRĒĒĒ
1205327	<u>POSITIONING IN SURVEYING</u>	3+0+0	3	4		Distance education	Prof. Dr. Ayhan CEYLAN
1205328	<u>CARTOGRAPHY</u>	3+0+0	3	3		Distance education	Prof. Dr. Ğ. Bülent GÜNDOĒDU
1205329	<u>CADASTRE</u>	2+0+0	2	2		Distance education	Assist. Prof. Dr.ġaban ĒNAM

18+2+0 19 30

4TH TERM

Course Code	Course Name	T+P+L	Credit	ECTS	Prerequisite courses and minimum pass grade to take the course	Education type	Lecturer
1205401	<u>HEIGHT MEASUREMENTS</u>	3+0+0	3	3		Face-to-face	Prof. Dr. Ayhan CEYLAN
1205406	<u>DIFFERENTIAL EQUATIONS</u>	4+0+0	4	6		Face-to-face	Doç.Dr. Ali GELGÖKEN
1205409	<u>PROBABILITY AND STATISTICS</u>	3+0+0	3	3		Distance education	Prof. Dr. Ğ. Bülent GÜNDOĞDU
1205428	<u>MODERN GEODETIC INSTRUMENTS</u>	2+2+0	3	4		Face-to-face	Assoc. Prof. Dr.Cihan ALTUNTAĞ
1205430	<u>NUMERICAL ANALYSIS</u>	3+0+0	3	4		Face-to-face	Assist. Prof. Dr.Gülgün ÖZKAN
1205431	<u>GEOGRAPHICAL INFORMATION SYSTEMS</u>	2+1+0	2.5	3		Face-to-face	Prof. Dr. Fatih ĞCAN
1205432	<u>INTRODUCTION TO GEODESY</u>	3+0+0	3	3		Face-to-face	Prof. Dr. Muzaffer KAHVECĞ
1205421	<u>TOPOGRAPHIC MAP PRODUCTION**</u>	4+4+0	0	4	1205326 (DD) ve 1205327 (DD)	Face-to-face	Prof. Dr. Ayhan CEYLAN Prof. Dr. Cevat ĞNAL Assoc. Prof. Dr.Cihan ALTUNTAĞ Dr.Öğr.Üyesi Sercan BÜLBÜL

24+7+0 **21.5** **30**

5TH TERM

Course Code	Course Name	T+P+L	Credit	ECTS	Prerequisite courses and minimum pass grade to take the course	Education type	Lecturer
1205501	ERROR THEORY AND PARAMETER ESTIMATION (A)	3+0+0	3	5		Face-to-face	Prof. Dr. Ekrem TUğAT
	ERROR THEORY AND PARAMETER ESTIMATION (B)						Assoc. Prof. Dr.R. Alpay ABBAK
1205507	INTRODUCTION TO PHOTOGRAMMETRY (A)	3+0+0	3	5		Face-to-face	Prof. Dr. Ferruh YILDIZ
	INTRODUCTION TO PHOTOGRAMMETRY (B)						Assist. Prof. Dr.Lütfiye KARASAKA
1205509	URBAN DEVELOPMENT PLANNING(A)	3+0+0	3	5		Face-to-face	Prof. Dr. Ferruh YILDIZ
	URBAN DEVELOPMENT PLANNING(B)						Assist. Prof. Dr.ğaban ĞNAM
1205524	ROAD DESIGN AND PROJECT * (A)	3+1+0	3.5	5		Face-to-face	Prof. Dr. Ayhan CEYLAN
	ROAD DESIGN AND PROJECT * (B)						Assist. Prof. Dr.Sercan Bülbül
1205538	COUNTRY SURVEYING (A)	2+0+0	2	3	1205432 (DD)	Face-to-face	Prof. Dr. Muzaffer KAHVECİ
	COUNTRY SURVEYING (B)						Assoc. Prof. Dr.Serkan DOĞANALP
1205529	<i>Technical Elective Course 1</i>	2+0+0	2	3		Distance education	

	1205515	HYDROGRAPHIC SURVEYING						Assist. Prof. Dr.Sercan Bülbül
	1205534	MINE SURVEYING						Prof. Dr. Ayhan CEYLAN
	1205547	OPTIC THREE DIMENSIONAL MEASUREMENT TECHNIQUES						Assoc. Prof. Dr.Cihan ALTUNTAğ
1205540	<i>Social Elective Course</i>		2+0+0	2	2		Distance education	
	1205541	ENGINEERING ECONOMY						
	1205542	LABOR LAW						
	1205546	ENTREPRENEURSHIP						
		Volunteering Studies						
1205543	OCCUPATIONAL HEALTHY AND SAFETY-1		2+0+0	2	2		Distance education	Assoc. Prof. Dr.Bilgehan KEKEÇ

20+1+0 20.5 30

6TH TERM

Course Code	Course Name	T+P+L	Credit	ECTS	Prerequisite courses and minimum pass grade to take the course	Education type	Lecturer
1205607	GENERAL PHOTOGRAMMETRY(A)	3+0+0	3	4		Face-to-face	Prof. Dr. Hakan KARABÖRK
	GENERAL PHOTOGRAMMETRY(B)						Prof. Dr. Ferruh YILDIZ
1205610	REMOTE SENSING (A)	3+0+0	3	4		Face-to-face	Assist. Prof. Dr.Lütfiye KARASAKA
	REMOTE SENSING (B)						Prof. Dr. Hakan KARABÖRK
1205615	PHYSICAL GEODESY(A)	2+0+0	2	4		Face-to-face	Prof. Dr. R. Alpay ABBAK
	PHYSICAL GEODESY(B)						Assoc. Prof. Dr.Serkan DOĞANALP
1205617	<u>PROJECT OF URBAN LAND CONSOLIDATION*</u>	5*(1+1+0)	1.5	5	1205509(DD)	Face-to-face	Prof. Dr. Ferruh YILDIZ Prof. Dr. Tayfun ÇAY Assist. Prof. Dr.ğaban ĞNAM Assist. Prof. Dr.Gülğün ÖZKAN Doç.Dr.Özer KARAKAYACI
1205638	ADJUSTMENT COMPUTATION FOR GEODETIC NETWORKS (A)	3+0+0	3	4	1205501(DD)	Face-to-face	Prof. Dr. Ekrem TUğAT
	ADJUSTMENT COMPUTATION FOR GEODETIC NETWORKS (B)						Doç.Dr. Serkan DOĞANALP

1205628	Technical Elective Course 2		2+0+0	2	3		Distance education	
	1205633	MAP PROJECTIONS						Prof. Dr. Ğ. Bülent GÜNDOĞDU
	1205641	WEB CARTOGRAPHY						Prof. Dr. Ğ. Öztuğ BĖLDĖRĖCĖ
1205642	OCCUPATIONAL HEALTHY AND SAFETY-2		2+0+0	2	2		Distance education	Prof. Dr. Bilgehan KEKEÇ
1205629	Design Project**		4+4+0	0	4		Face-to-face	
	1205622	DESIGN AND DATA COLLECTION FOR LIS				1205421(G) ve 1205329 (DD)	Face-to-face	Prof. Dr. Tayfun ÇAY Prof. Dr. Fatih ĞĖCAN Doç.Dr. Ela ERTUNÇ Assist. Prof. Dr.ġaban ĞNAM
	1205624	CARTOGRAPHIC DESIGN				1205421(G) ve 1205328 (DD)	Face-to-face	Prof. Dr. Ğ. Öztuğ BĖLDĖRĖCĖ Prof. Dr. Ğ. Bülent GÜNDOĞDU

20+5+0 16.5 30

7TH TERM

Course Code	Course Name	T+P+L	Credit	ECTS	Prerequisite courses and minimum pass grade to take the course	Education type	Lecturer
1205704	LAND CONSOLIDATION (A)	3+0+0	3	4		Face-to-face	Prof. Dr. Tayfun ÇAY
	LAND CONSOLIDATION (B)						Prof. Dr. Fatih ĞĖCAN
1205729	ENGINEERING SURVEYING (A)	3+0+0	3	4		Face-to-face	Prof. Dr. Cevat ĞNAL
	ENGINEERING SURVEYING (B)						Dr.Öġr.Üyesi Sercan BÜLBÜL
1205736	MULTIDISCIPLINARY ENGINEERING DESIGN*	2*(1+1+0)	1.5	4		Face-to-face	Assoc. Prof. Dr.ġükran YALPIR, Dr.Öġr.Üyesi Ela ERTUNÇ
1205701	Geomatics Engineering Project 1*	2+1+0	2.5	6	1.ve 2.yy(G), 3.ve 4.yy(DD)	Face-to-face	
	1205737	GEODESY PROJECT 1	4*(2+1+0)				Prof. Dr. Muzaffer KAHVECĖ, Prof. Dr. Ekrem TUġAT, Assoc. Prof. Dr.R. Alpay ABBAK, Assoc. Prof. Dr.Serkan DOĖANALP, ArĖ.Gör. Dr. Emel Zeray ÖZTÜRK

1205738	PHOTOGRAMMETRY PROJECT 1	3*(2+1+0)				Prof. Dr. Ferruh YILDIZ, Prof. Dr. Hakan KARABÖRK, ,Dr. Öğr. Üyesi Lütfiye KARASAKA, Assist. Prof. Dr.Fatih SARI, ArĖ.Gör.Dr. H. Bilgehan MAKĖNECĖ
1205739	SURVEYING TECHNIQUE PROJECT 1	4*(2+1+0)				Prof. Dr. Cevat ĖNAL, Prof. Dr. Ayhan CEYLAN, Assoc. Prof. Dr.Cihan ALTUNTAĖ, Dr.ÖĖr.Üyesi Sercan BÜLBÜL ArĖ.Gör. Dr. B. Numan ÖZDEMĖR
1205740	CARTOGRAPHY PROJECT 1	2*(2+1+0)				Prof. Dr. Ė. ÖztuĖ BĖLDĖRĖCĖ, Prof. Dr. Ė. Bülent GÜNDOĖDU
1205741	LAND MANAGEMENT PROJECT 1	6*(2+1+0)				Prof. Dr. Tayfun ÇAY, Prof. Dr. Fatih ĖĖCAN, Assoc. Prof. Dr.Ėükran YALPIR, Assist. Prof. Dr.Gülgün ÖZKAN, Assist. Prof. Dr.Ėaban ĖNAM, Assist. Prof. Dr.Ela ERTUNÇ
1205730	Technical Elective Course 3	2+0+0	2	3		Distance education
1205713	PROPERTY VALUATION					Assist. Prof. Dr.Gülgün ÖZKAN
1205718	URBAN INFOMATION SYSTEMS					Assoc. Prof. Dr.Ėükran YALPIR
1205721	EXPROPRIATION LAW					Prof. Dr. Tayfun ÇAY
1205722	FOREST CADASTRE					Assist. Prof. Dr.Ėaban ĖNAM
1205724	Land Management					Prof. Dr. Fatih ĖĖCAN
1205731	Technical Elective Course 4	2+1+0	2.5	3		Face-to-face
1205734	LIDAR TECHNIQUES					Assist. Prof. Dr.Lütfiye KARASAKA
1205735	DIGITAL IMAGE PROCESSING					Prof. Dr. Hakan KARABÖRK
1205746	UNMANNED ARRIAL VEHICLE IN PHOTOGRAMMETRY					Prof. Dr. Ferruh YILDIZ
1205747	Interaction with Global Open Data Sources					Assist. Prof. Dr.Fatih SARI
1205732	Technical Elective Course 5	2+0+0	2	3		Face-to-face
1205717	GEODETTIC ASTRONOMY					Assoc. Prof. Dr.Serkan DOĖANALP
1205733	COORDINATE SYSTEMS IN GEODESY					Prof. Dr. Ekrem TUĖAT
1205745	DGNSS AND RTK CORS GEODETTIC NETWORKS					Prof. Dr. Muzaffer KAHVECĖ
1205742	Internship	20 days	0	3	1205421 (G)	Face-to-face

15+3+0 16.5 30

8TH TERM

Course Code	Course Name	T+P+L	Credit	ECTS	Prerequisite courses and minimum pass grade to take the course	Education type	Lecturer
1205807	PROPERTY LAW (A)	2+0+0	2	4		Distance education	Prof. Dr. Tayfun ÇAY
	PROPERTY LAW (B)						Doç.Dr. Ela ERTUNÇ
1205810	LAND CONSOLIDATION PROJECT*	5*(1+1+0)	1.5	6	1205704(DD)	Face-to-face	Prof. Dr. Tayfun ÇAY, Prof. Dr. Fatih ĞġCAN, Doç.Dr. Ela ERTUNÇ, Assist. Prof. Dr.ġaban ĞNAM, Assist. Prof. Dr.Gülgün ÖZKAN,
1205813	ENGINEERING ETHICS	2+0+0	2	4		Distance education	Assist. Prof. Dr.ġaban ĞNAM
1205814	SATELLITE GEODESY (A)	3+0+0	3	4		Face-to-face	Prof. Dr. Muzaffer KAHVECĞ
	SATELLITE GEODESY (B)						Prof. Dr. Ekrem TUġAT
1205801	Geomatics Engineering Project 2*	2+1+0	2.5	6	1205701(G)	Face-to-face	
1205824	GEODESY PROJECT 2	4*(2+1+0)			1205737(G)		Prof. Dr. Muzaffer KAHVECĞ, Prof. Dr. Ekrem TUġAT, Prof. Dr. R. Alpay ABBAK, Assoc. Prof. Dr.Serkan DOĖANALP,
1205825	PHOTOGRAMMETRY PROJECT 2	5*(2+1+0)			1205738(G)		Prof. Dr. Ferruh YILDIZ, Prof. Dr. Hakan KARABÖRK, Doç.Dr. Fatih SARI, Assist. Prof. Dr.Lütfiye KARASAKA, ArĖ.Gör.Dr. H. Bilgehan MAKĖNECĖ
1205826	SURVEYING TECHNIQUE PROJECT 2	5*(2+1+0)			1205739(G)		
1205827	CARTOGRAPHY PROJECT 2	2*(2+1+0)			1205740(G)		Prof. Dr. Cevat ĞNAL, Prof. Dr. Ayhan CEYLAN, Assoc. Prof. Dr.Cihan ALTUNTAĖ, Dr.ÖĖr.Üyesi Sercan BÜLBÜL, Research Assistant .Dr. B. Numan ÖZDEMĖR
1205828	LAND MANAGEMENT PROJECT 2	6*(2+1+0)			1205741(G)		Prof. Dr. Ė. ÖztuĖ BĖLDĖRĖCĖ, Prof. Dr. Ė. Bülent ĖÜNDOĖDU Prof. Dr. Tayfun ÇAY, Prof. Dr. Fatih ĞġCAN, Assoc. Prof. Dr.ġükran YALPIR, Doç.Dr. Ela ERTUNÇ, Assist. Prof. Dr. Gülgün ÖZKAN, Assist. Prof. Dr.ġaban ĞNAM
1205818	Technical Elective Course 6	2+0+0	2	2		Distance education	
1205815	IRRIGATION						Doç.Dr. Ela ERTUNÇ
1205816	REGION AND URBAN PLANNING						Doç.Dr.Özer KARAKAYACI
1205831	MASS MOVEMENTS AND PLATE TECTONIC						Assoc. Prof. Dr.Tevfik AĖAÇAYAK

1205819	Technical Elective Course 7		2+1+0	2.5	4		
	1205820	DIGITAL PHOTOGRAMMETRY				Face-to-face	Prof. Dr. Ferruh YILDIZ
	1205830	SATELLITE PHOTOGRAMMETRY					Assist. Prof. Dr.Lütfiye KARASAKA
	1205832	FOTOGRAMMETRY, REMOTE SENSING AND GIS INTEGRATION					Doç.Dr. Fatih SARI

14+3+0 15.5 30

Notes:

1. The courses indicated with * are in the status of applied courses according to the KTÜN Associate and Undergraduate Education and Examination Regulations, and the provisions regarding the courses are given in the appendix.
2. Courses marked with ** are held during the summer break. These courses are registered in the spring semester. It is applied for 15 days, daily (4+4). to be successful 15 days will be counted towards the internship. The issues related to these courses are regulated by the Departmental Internship Principles, and they are taught in one semester within the scope of the Bologna process.
- 7 courses to be taught are excluded from the restriction. The grades of these courses are not included in the General Weighted Grade Point Average and the semester average.
3. 1205742 Vocational Internship is done in 20 working days during the summer break. Internship related issues are regulated by the Departmental Internship Principles, and are within the scope of the Bologna process.
- 7 courses to be taught in a semester are excluded. The grade of this course is not included in the General Weighted Grade Point Average and the semester average.
4. Students who have taken the Geomatics Engineering Project-2 course before the Geomatics Engineering Project -1 course due to the prerequisite exemption and have been successful have to take Geomatics Engineering Project-1 from the same Department.
5. Midterm exam for the seminars given within the scope of Geomatics Engineering Project -1 and Geomatics Engineering Project -2 courses can be done.

OTHER ISSUES

1) 1205326 Computer Aided Map Making Lesson

Year-round evaluation is done by giving short-term midterm exams and homework. No additional midterm exam is held.

2) 1205524 Road Design and Project

The project submission date is the last lesson of the semester. Midterm exams are held during the semester. Students who do not submit a project cannot take the end-of-year exams. year of the project. Its contribution to internal efficiency is 50%

3) 1205617 PROJECT OF URBAN LAND CONSOLIDATION

The project submission date is the last lesson of the semester. Midterm exams are held during the semester. Students who do not submit a project cannot take the end-of-year exams. year of the project Contribution to the final exams is 50%.

4) Courses in group 1 1205701 Geomatics Engineering Project

The project report submission date is the last lesson of the lesson period. The student who does not submit the project report is considered unsuccessful. According to the project reports, within the year activity and year-end exam grade are entered. Evaluation principles of project reports are determined by the head of department.

5) 1205736 Multidisciplinary Engineering Design

The project report submission date is the last lesson of the lesson period. The student who does not submit the project report is considered unsuccessful. According to the project reports, within the year activity grade. The year-end success is determined by an oral exam from the prepared project.

6) 1205810 Land Consolidation Project

The project submission date is the last lesson of the semester. Midterm exams are held during the semester. Students who do not submit a project cannot take the end-of-year exams. year of the project. Contribution to the final exams is 50%.

7) Courses in group 1205801 Geomatics Engineering Project 2

The project submission date is the last lesson of the semester. A student who does not submit his/her project is considered unsuccessful. Annual activity according to project evaluation grade is entered. Year-end success is determined by the presentation of the project and an oral exam in front of the jury.