

 İSTANBUL OKAN UNIVERSITY		FACULTY OF ENGINEERING AND NATURAL SCIENCES DEPARTMENT OF SURVEYING ENGINEERING SURVEYING ENGINEERING PROGRAMME (IN ENGLISH) UNDERGRADUATE CURRICULUM					Document Code: FR.OGR.200	
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Semester 1								
Code	Course Title	T	A	C	ECTS	Status	Prerequisite	
TRD111	Turkish I	2	0	2	2	Compulsory		
ATA111	Atatürk Principles and The History of Turkish Revolution I	2	0	2	2	Compulsory		
PHYS113	Physics I	2	2	3	5	Compulsory		
MATH113	Mathematics I	3	2	4	6	Compulsory		
SURE101	Introduction to Surveying Engineering	2	0	2	6	Compulsory		
CMPE152	Computer Programming	2	2	3	5	Compulsory		
	Foreign Language Elective	2	2	3	4	Elective		
		Total Credit		19	30			
Semester 3								
Code	Course Title	T	A	C	ECTS	Status	Prerequisite	
MATH215	Mathematics III	2	2	3	6	Compulsory	MATH113	
SURE201	Surveying I	3	0	3	5	Compulsory		
SURE203	Highway Project	1	2	2	5	Compulsory		
SURE205	Cartography	2	0	2	4	Compulsory		
SURE207	Geostatistics I	3	0	3	5	Compulsory		
SURE209	Trigonometry	3	0	3	5	Compulsory		
		Total Credit		16	30			
Semester 5								
Code	Course Title	T	A	C	ECTS	Status	Prerequisite	
SURE301	Remote Sensing	3	0	3	5	Compulsory		
SURE303	Adjustment	3	0	3	6	Compulsory		
SURE305	Geodesy I	3	0	3	5	Compulsory		
SURE307	Geographical Information Systems I	3	0	3	5	Compulsory		
MATH220	Numerical Methods	2	2	3	4	Compulsory		
SURE309	Land Management	3	0	3	5	Compulsory		
		Total Credit		18	30			
Semester 7								
Code	Course Title	T	A	C	ECTS	Status	Prerequisite	
SURE401	Engineering Surveying	3	0	3	6	Compulsory		
SURE403	Development Plan Applications	3	0	3	5	Compulsory		
SURE405	Global Positioning Systems	3	0	3	5	Compulsory		
SURE497	Surveying Engineering Design	0	2	1	4	Compulsory		
INT001	Internship 1	0	0	0	4	Compulsory		
	Departmental Elective	3	0	3	5	Elective		
		Total Credit		13	29			
		TOTAL CREDIT		134				
		TOTAL ECTS		240				
Abbreviations: T=Weekly hours: theoretical; A=Weekly hours: application; C=Credits in Turkish System; ECTS= European Credit Transfer System								
Semester 2								
Code	Course Title	T	A	C	ECTS	Status	Prerequisite	
TRD112	Turkish II	2	0	2	2	Compulsory		
ATA112	Atatürk Principles and The History of Turkish Revolution II	2	0	2	2	Compulsory		
PHYS114	Physics II	2	2	3	5	Compulsory	PHYS113	
MATH114	Mathematics II	3	2	4	6	Compulsory	MATH113	
SURE102	Geotechnology	2	0	2	5	Compulsory		
CLP001	Career and Life Planning	0	2	1	3	Compulsory		
BBA222	Entrepreneurship Applications	2	0	2	3	Compulsory		
	Foreign Language Elective	2	2	3	4	Elective		
		Total Credit		19	30			
Semester 4								
Code	Course Title	T	A	C	ECTS	Status	Prerequisite	
MATH216	Mathematics IV	2	2	3	6	Compulsory	MATH114	
SURE202	Surveying II	3	0	3	5	Compulsory	SURE201	
SURE204	Map Production Techniques	2	2	3	5	Compulsory		
SURE206	Project I	1	2	2	4	Compulsory		
SURE210	Photogrammetry	3	0	3	5	Compulsory		
SURE208	Geostatistics II	3	0	3	5	Compulsory		
		Total Credit		17	30			
Semester 6								
Code	Course Title	T	A	C	ECTS	Status	Prerequisite	
SURE304	Cadastral	3	0	3	5	Compulsory		
IE367	Occupational Health and Safety	3	0	3	5	Compulsory		
SURE308	Geographical Information Systems II	3	0	3	5	Compulsory	SURE307	
SURE306	Geodesy II	3	0	3	5	Compulsory	SURE305	
SURE302	Project II	2	2	3	5	Compulsory		
	University Elective	3	0	3	5	Elective		
		Total Credit		18	30			
Semester 8								
Code	Course Title	T	A	C	ECTS	Status	Prerequisite	
SURE402	Matlab in Surveying Engineering	3	0	3	5	Compulsory		
SURE498	Surveying Engineering Graduation Project	0	4	2	4	Compulsory		
SMN	Seminar	0	0	0	3	Compulsory		
	Departmental Elective	3	0	3	5	Elective		
	Departmental Elective	3	0	3	5	Elective		
	Faculty Elective	3	0	3	5	Elective		
INT002	Internship 2	0	0	0	4	Compulsory		
		Total Credit		14	31			

ELECTIVE COURSES

Semester 1

Semester I							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
	FACULTY ELECTIVE						
	UNIVERSITY ELECTIVE						

Semester 3

Semester 5							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 5

Semester 5							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 7

[illegible]

Semester 2

Semester 2		T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 4

Semester 4		T	A	C	ECTS	Status	Prerequisite
Code	Course Title						
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 6

Semester 6							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
	SECOND FOREIGN LANGUAGE						
	DEPARTMENTAL ELECTIVE						
	FACULTY ELECTIVE						
	UNIVERSITY ELECTIVE						

Semester 8

Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
SURE480	Urban Regeneration	3	0	3	5	Elective	
SURE481	Project Management in Surveying Eng.	3	0	3	5	Elective	
SURE482	Real Estate Valuation	3	0	3	5	Elective	
SURE483	Digital Terrain Modelling	3	0	3	5	Elective	
SURE484	Rural Land Arrangement	3	0	3	5	Elective	
SURE490	Surveying Engineering O'COOP 1	3	0	3	5	Elective	
SURE492	Surveying Engineering O'COOP 2	3	0	3	5	Elective	
SURE494	Surveying Engineering O'COOP 3	3	0	3	5	Elective	
FACULTY ELECTIVE							
ENG368	Wireless Networks	3	0	3	5	Elective	
ENG302	Fuzzy Logic and Its Applications	3	0	3	5	Elective	
ENG304	Technology Management	3	0	3	5	Elective	
ENG308	Energy Policy	3	0	3	5	Elective	
ENG310	Sustainable Energy & Environment	3	0	3	5	Elective	
ENG370	Principles of Machine Learning	3	0	3	5	Elective	
ENG301	Management for Engineers	3	0	3	5	Elective	
ENG303	Project Management	3	0	3	5	Elective	
ENG353	Electric Drives	3	0	3	5	Elective	
ENG351	Digital Filters and Systems	3	0	3	5	Elective	
ENG355	Image Processing	3	0	3	5	Elective	
ENG367	Energy Laws and Regulations	3	0	3	5	Elective	
ENG476	Applied Mathematics	3	0	3	5	Elective	
ENG477	Materials Science for Engineers	3	0	3	5	Elective	
SURE490	Surveying Engineering O'COOP 1	3	0	3	5	Elective	
SURE492	Surveying Engineering O'COOP 2	3	0	3	5	Elective	
SURE494	Surveying Engineering O'COOP 3	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							