

ÖNEMLİ NOT:
Dönemlik seçmeli alan dersleri (SA) hiç bir şekilde başka dönemlerin seçmeli dersleri yerine sayılamaz.



T.C. İSTANBUL KÜLTÜR ÜNİVERSİTESİ

MÜHENDİSLİK FAKÜLTESİ

DEPARTMENT of CIVIL ENGINEERING
UNDERGRADUATE CURRICULUM

IMPORTANT NOTE:
Semester departmental elective field courses (DE) can never be substituted for elective courses of other semesters.

FIRST YEAR	1. 1 st SEMESTER COURSES											
	COMPULSORY COURSES	COURSE ID	COURSE NAME	PREREQUISITE	T	A	L	Cr	ECTS			
		ATA1001	PRINCIPLES OF ATATÜRK & HISTORY OF REFORMS I		2	0	0	2	2			
		TR1001	TURKISH I		2	0	0	2	2			
		CE1011	ACADEMIC ENGLISH FOR CIVIL ENGINEERING I		3	0	0	3	3			
		CE1001	GENERAL CHEMISTRY		2	0	2	3	5			
		MCB1001	CALCULUS I		4	0	0	4	7			
	PHY1001	PHYSICS I		2	0	2	3	7				
	DEPARTMENTAL ELECTIVE (DE) COURSES	CE1002	INTRODUCTION TO CIVIL ENGINEERING	2 Courses will be selected	2	0	0	2	4			
		CE1003	STRUCTURAL SYSTEM PRINCIPLES		2	2	0	3	4			
		CE1004	INTRODUCTION TO PROGRAMMING		2	2	0	3	4			
		COM1001	INTRODUCTION TO COMPUTER I		4	0	0	4	4			
TOTAL :								34				
2. 2 nd SEMESTER COURSES												
COMPULSORY COURSES	COURSE ID	COURSE NAME	PREREQUISITE	T	A	L	Cr	ECTS				
	ATA2001	PRINCIPLES OF ATATÜRK AND HISTORY OF REFORMS II		2	0	0	2	2				
	TR2001	TURKISH II		2	0	0	2	2				
	CE2011	ACADEMIC ENGLISH FOR CIVIL ENGINEERING II		3	0	0	3	3				
	CE2802	ENGINEERING GRAPHICS		2	2	0	3	4				
	MCB1002	CALCULUS II		4	0	0	4	7				
DEPARTMENTAL ELECTIVE (DE) COURSES	PHY2001	PHYSICS II	Only 1 Course will be selected	2	0	2	3	7				
	MCB1008	NUMERICAL METHODS		4	0	0	4	6				
	CE2001	NANOTECHNOLOGY APPLICATIONS IN CIVIL ENG.		2	2	0	3	4				
	CE2002	ENGINEERING COMPUTING		2	2	0	3	4				
COM2001	INTRODUCTION TO COMPUTER II		4	0	0	4	4					
TOTAL :								35				
SECOND YEAR	3. 3 rd SEMESTER COURSES											
	COMPULSORY COURSES	COURSE ID	COURSE NAME	PREREQUISITE	T	A	L	Cr	ECTS			
		CE3101	ENGINEERING MECHANICS		4	2	0	5	6			
		CE3701	MATERIAL SCIENCE		2	0	0	2	4			
		MCB1003	CALCULUS III		4	0	0	4	7			
	DEPARTMENTAL ELECTIVE (DE) COURSES	MCB1007	INTRODUCTION TO PROBABILITY AND STATISTICS		4	0	0	4	6			
		CE3001	GEOLOGY	2 Courses will be selected	2	2	0	3	4			
		CE3002	BUILDING SCIENCE		2	2	0	3	4			
		CE3003	ARCHITECTURAL THEORY AND URBAN PLANNING		2	2	0	3	4			
	CE3004	TECHNICAL REPORT WRITING AND PRESENTATION	2		0	0	2	4				
	NON-DEPARTMENTAL ELECTIVE COURSE		One of the courses offered throughout the university will be selected									2
	TOTAL :								33			
4. 4 th SEMESTER COURSES												
COMPULSORY COURSES	COURSE ID	COURSE NAME	PREREQUISITE	T	A	L	Cr	ECTS				
	CE4101	STRENGTH OF MATERIALS I	CE3101	4	2	0	5	7				
	CE4601	SURVEYING		2	2	0	3	5				
	CE4701	CONSTRUCTION MATERIALS		2	2	0	3	4				
	ENG1001	ENGINEERING ETHICS		2	0	0	2	2				
	MCB1004	LINEAR ALGEBRA		4	0	0	4	6				
NON-DEPARTMENTAL ELECTIVE COURSE	MCB1005	DIFFERENTIAL EQUATIONS		4	0	0	4	6				
		One of the courses offered throughout the university will be selected									2	
TOTAL :								32				
THIRD YEAR	5. 5 th SEMESTER COURSES											
	COMPULSORY COURSES	COURSE ID	COURSE NAME	PREREQUISITE	T	A	L	Cr	ECTS			
		CE5102	STRENGTH OF MATERIALS II	CE4101	2	2	0	3	3			
		CE5103	STRUCTURAL ANALYSIS	CE4102	4	2	0	4	7			
		CE5201	SOIL MECHANICS I	CE4103	3	2	0	4	7			
		CE5301	FLUID MECHANICS	CE4104	2	2	0	3	5			
		CE5501	CONSTRUCTION PROJECT MANAGEMENT		3	0	0	3	4			
	DEPARTMENTAL ELECTIVE (DE) COURSES	CE5001	ECONOMICS	Only 1 Course will be selected	2	2	0	3	4			
		CE5002	BUSINESS MANAGEMENT		2	2	0	3	4			
		CE5003	ENGINEERING ECONOMICS		2	2	0	3	4			
		CE5004	OPERATIONAL RESEARCH		2	2	0	3	4			
	TOTAL :								30			
6. 6 th SEMESTER COURSES												
COMPULSORY COURSES	COURSE ID	COURSE NAME	PREREQUISITE	T	A	L	Cr	ECTS				
	CE6102	REINFORCED CONCRETE I	CE4104	3	2	0	4	6				
	CE6103	STEEL STRUCTURES	CE4104	2	2	0	3	4				
	CE6104	ENGINEERING DESIGN	CE5103	4	2	0	4	4				
	CE6301	HYDRAULICS	CE5301	2	2	0	3	4				
	CE6401	TRANSPORTATION ENGINEERING		2	2	0	3	4				
DEPARTMENTAL ELECTIVE (DE) COURSES	CE6001	CONSTRUCTION SITE MANAGEMENT	Only 2 Courses will be selected	2	2	0	3	4				
	CE6002	CONSTRUCTION MARKETING MANAGEMENT		2	2	0	3	4				
	CE6003	STANDARTS, QUALITY AND ACCREDITATION		2	2	0	3	4				
TOTAL :								30				
FORTH YEAR	7. 7 th SEMESTER COURSES											
	COMPULSORY COURSES	COURSE ID	COURSE NAME	PREREQUISITE	T	A	L	Cr	ECTS			
		CE7101	REINFORCED CONCRETE II	CE6102	2	2	0	3	5			
		CE7103	STRUCTURAL DYNAMICS AND EARTQUAKE ENGINEERING	CE6104	4	2	0	3	5			
		CE7201	FOUNDATIONS	CE5201	2	2	0	3	5			
	DEPARTMENTAL ELECTIVE (DE) COURSES	CE7901	INDUSTRIAL TRAINING I		0	0	0	0	3			
			DE - 1	3 Courses will be selected					4			
			DE - 2						4			
		DE - 3						4				
	TOTAL :								30			
	8. 8 th SEMESTER COURSES											
	COMPULSORY COURSES	COURSE ID	COURSE NAME	PREREQUISITE	T	A	L	Cr	ECTS			
CE8301		WATER SUPPLY AND WASTEWATER REMOVAL	CE6301	3	0	0	3	3				
CE8802		GRADUATION PROJECT		2	6	0	5	8				
DEPARTMENTAL ELECTIVE (DE) COURSES	CE8901	INDUSTRIAL TRAINING II		0	0	0	0	3				
		DE - 1	4 Courses will be selected					4				
		DE - 2						4				
		DE - 3						4				
	DE - 4						4					
TOTAL :								30				
TOTAL COURSE CREDITS FOR GRADUATION :								254				

DEPARTMENTAL ELECTIVE (DE) COURSES for 7.and 8. SEMESTERS

COURSE ID	COURSE NAME	PREREQUISITE	T	U	L	Cr	ECTS
CE0102	EXPERIMENTAL STRUCTURAL MECHANICS	CE6102	2	2	0	3	4
CE0104	TIMBER STRUCTURES	CE5103	2	2	0	3	4
CE0107	HIGHRISE STEEL STRUCTURES	CE6103	2	2	0	3	4
CE0110	PRESTRESSED REINFORCED CONCRETE STRUCTURES	CE6102	2	2	0	3	4
CE0127	INDUSTRIAL CONSTRUCTION TECHNOLOGIES		2	2	0	3	4
CE0130	REINFORCED CONCRETE DESIGN PROJECT	CE6102	2	2	0	3	4
CE0131	COMPUTER AIDED STRUCTURAL ANALYSIS	CE6104	2	2	0	3	4
CE0135	INTRODUCTION TO EARTHQUAKE ENGINEERING	INS6104	2	2	0	3	4
CE0136	EARTHQUAKE RESISTANT DESIGN OF STRUCTURE	CE6102	2	2	0	3	4
CE0138	STEEL PROJECT		2	2	0	3	4
CE0155	COMPUTER AIDED MATRIX METHODS IN STRUCTURAL ANALYSIS	CE6104	3	0	0	3	4
CE0156	COMPUTER APPLICATIONS IN FINITE ELEMENT ANALYSIS	CE6104	3	0	0	3	4
CE0160	RENEWABLE ENERGY PROJECTS		3	0	0	3	4
CE0201	SOIL MECHANICS II	CE5201	2	2	0	3	4
CE0206	UNDERGROUND STRUCTURES		2	2	0	3	4
CE0208	FOUNDATION ENGINEERING	CE5201	2	2	0	3	4
CE0210	COMPUTER AIDED GEOTECHNICAL DESIGN	CE7201	2	2	0	3	4
CE0301	HYDROLOGY		2	2	0	3	4
CE0302	SEA OUTFALL STRUCTURES	CE6301	2	2	0	3	4
CE0303	DESIGN OF WATER AND WASTEWATER TREATMENT PLANTS	CE6301	2	2	0	3	4
CE0304	COASTAL ENGINEERING STRUCTURES	CE5301	2	0	0	3	4
CE0319	HYDRAULIC STRUCTURES	CE5301	2	2	0	3	4
CE0337	WATER RESOURCES MANAGEMENT		2	2	0	3	4
CE0511	BUILDING COST ANALYSIS		2	2	0	3	4
CE0521	PROJECT MANAGEMENT IN CONSTRUCTION SECTOR		2	2	0	3	4
CE0530	OCCUPATIONAL HEALTH AND SAFETY		3	0	0	3	4
CE0531	FACILITY AND RESOURCE MANAGEMENT	CE5501	3	0	0	3	4
CE0532	CONSTRUCTION CONTRACTS	CE5501	3	0	0	3	4
CE0533	DISASTER MANAGEMENT		3	0	0	3	4
CE0534	REAL ESTATE INVESTMENTS, PROJECT DEVELOPMENT AND APPRAISAL	CE5501	3	0	0	3	4
CE0581	APPLICATIONS OF LABOR AND DEVELOPMENT LAW		2	0	0	2	4
CE0588	BUILDING INFORMATION MODELLING	CE5501	2	2	0	3	4
CE0604	RAILROAD CONSTRUCTION	CE6401	2	2	0	3	4
CE0639	PAVEMENT DESIGN AND REHABILITATION		2	2	0	3	4
CE0640	HIGHWAY DESIGN PROJECT	CE6401	2	2	0	3	4
CE0641	ENVIRONMENTAL EFFECTS OF TRANSPORTATION AND SUSTAINABLE TRANSPORTATION		3	0	0	3	4
CE0642	COMPUTER APPLICATIONS IN TRAFFIC ENGINEERING	CE6401	2	2	0	3	4
CE0729	ADVANCED CONCRETE TECHNOLOGY		2	2	0	3	4
CE0811	SPECIAL TOPICS IN CIVIL ENGINEERING I		3	0	0	3	4
CE0812	SPECIAL TOPICS IN CIVIL ENGINEERING II		3	0	0	3	4
CE0813	RISK MANAGEMENT		2	2	0	3	4
CE0814	TECHNICAL REPORT WRITING AND PRESENTATION SKILLS IN CIVIL ENGINEERING		2	0	0	2	4
CE0820	URBAN REGENERATION AND PLANNING		3	0	0	3	4
CE0827	ENGINEERING ENTREPRENEURSHIP		3	0	0	3	4
CE0828	SPREADSHEET AND PROGRAMMING APPLICATIONS FOR CIVIL ENGINEERS		2	2	0	3	4
CE0841	LABOR LAW		3	0	0	3	4
CE0842	PROBABILITY AND RELIABILITY IN ENGINEERING	MCB1007	2	2	0	3	4
CE0843	DIGITAL APPLICATIONS IN CIVIL ENGINEERING		3	0	0	3	4
CE0844	SPECIAL TOPICS IN CIVIL ENGINEERING III		3	0	0	3	4
CE0845	SPECIAL TOPICS IN CIVIL ENGINEERING IV		3	0	0	3	4
CE0846	DESIGN OF EXPERIMENTS	MCB1007	2	2	0	3	4
CE0847	ARTIFICIAL INTELLIGENCE APPLICATIONS IN CIVIL ENGINEERING		3	0	0	3	4
CE0849	DESIGN OF COMPOSITE STRUCTURES	CE6102 / CE6103	3	0	0	3	4
CE0850	SUSTAINABLE CONSTRUCTION	CE6104	3	0	0	3	4