	RELATIONSHIP BETWEEN COURSES AND S	UB-COI	MPONE	NTS OF	EDUC	ATIONA	L OBJE	CTIVES	6 (EO)					
	1ST YEAR - 1ST SEMESTER						UNDERG	RADUAT		ATIONAL	OBJECT	IVES (EC	))	
COURSE CODE	COURSE NAME	т	Р	ECTS		EO 1		EC	0 2		EO 3		EC	D 4
		•			EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS1001	MATHEMATICS I	4	2	6	X	X	X			Х	Х		Х	X
INS1003	PHYSICS I	3	1	5	X	X	X			Х	Х		Х	X
INS1005	GENERAL CHEMISTRY	2	1	3	Х	X	X			Х	Х		Х	X
INS1007	LINEAR ALGEBRA	3	0	3	Х	X	X			Х	Х		Х	X
INS1009	INTRODUCTION TO CIVIL ENGINEERING	2	0	2	X	X	X	Х	X	Х	Х	Х	Х	X
INS1011	SAFETY AND HEALTH AT WORK I	2	0	2	Х	X	X	Х	X	Х	Х	Х	Х	X
TDL1011	TURKISH LANGUAGE I	2	0	2	Х	X	X	Х	X			Х	Х	X
YDL1013	FOREIGN LANGUAGE I	3	0	2					X			Х	Х	
ATA1015	ATATURK PRINCIPLES AND THE HISTORY OF REVOLUTION I	2	0	2	Х	X	X	Х	X	Х	Х	Х	Х	X
INS1021	BASIC COMPUTER	2	2	3	X	X	X	Х	X			Х	Х	X

	1ST YEAR - 2ND SEMESTER						UNDERG	RADUAT	E EDUC	ATIONAL	OBJEC1	IVES (E	<b>C</b> )	
COURSE CODE	COURSE NAME	т	Р	ECTS		EO 1		EC	) 2		EO 3		E	04
		•	•		E01.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS1002	MATHEMATICS II	4	2	6	X	Х							X	X
INS1004	PHYSICS II	2	1	4	X	X	X			X	X		X	X
INS1006	COMPUTER AIDED TECHNICAL DRAWING	2	1	5	X	X	X		X			Х		
INS1008	COMPUTER PROGRAMMING	2	0	2	X	X	X	X	X	X	X	Х	X	X
INS1010	STATICS	4	0	5	X	X	X		X	X	X		X	X
INS1012	SAFETY AND HEALTH AT WORK II	2	0	2	X	Х	X	Х	X	X	X	Х	X	X
TDL1012	TURKISH LANGUAGE II	2	0	2	X	X	X	Х	X			Х	X	X
YDL1014	FOREIGN LANGUAGE II	3	0	2					Х			Х	X	
ATA1016	ATATÜRK PRINCIPLES AND THE HISTORY OF REVOLUTION II	2	0	2	X	Х	Х	X	X	X	X	Х	X	X

	2ND YEAR - 3RD SEMESTER						UNDERG	RADUAT		ATIONAL	OBJECT	TIVES (EC	))	
COURSE CODE	COURSE NAME	т	Р	ECTS		EO 1		EC	D 2		EO 3		E	04
		•	r	LOIO	EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS2001	STRENGTH OF MATERIALS I	3	0	4	X	Х	X		X	X	X		Х	X
INS2003	DYNAMICS	3	0	4	X	Х	X		X	X	X		X	X
INS2005	MATERIALS SCIENCE	3	0	4	X	Х	X		X	X	X		X	X
INS2007	DIFFERENTIAL EQUATIONS	4	0	6	Х	Х	X			X	Х		X	X
INS2009	GEOLOGY FOR CIVIL ENGINEERING	2	0	3	X	Х	X	X	X	X	X	X	Х	X
	TECHNICAL ELECTIVE COURSES	2	0	3										
	GENERAL ELECTIVE COURSES	2	0	4										
INS2049	SUMMER PRACTICE	0	0	2	Х	Х	X	X	X	X	Х	Х	X	X

	2ND YEAR - 4TH SEMESTER						UNDERG	RADUAT	E EDUC	ATIONAL	OBJEC	TIVES (EC	<b>C</b> )	
COURSE CODE	COURSE NAME	т	Р	ECTS		EO 1		EC	0 2		EO 3		E	0 4
		-			EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS2002	STRENGTH OF MATERIALS II	4	0	4	X	X	X		X	X	X		X	X
INS2004	PROBABILITY AND STATISTICS	3	0	5	X	X	X			X	X		X	X
INS2006	MATERIALS OF CONSTRUCTION	2	2	4	X	X	X	Х	X	Х	X	X	X	X
INS2008	NUMERICAL ANALYSIS	2	0	4	X	X	X		X	Х	X		X	X
INS2010	ENGINEERING SURVEYING	3	0	3	X	X	X		X	X	X		X	X
INS2012	CONSTRUCTION KNOWLEDGE	2	0	3	X	X	X	Х	X	Х			X	X
	SOCIAL ELECTIVE COURSES	2	0	4										
INS2022	SUMMER PRACTICE	0	0	3	X	X	X	X	X	Х	X	Х	X	X

	3TH YEAR - 5TH SEMESTER						UNDERG	RADUA		ATIONAL	OBJECT	TIVES (E	))	
COURSE CODE	COURSE NAME	т	Р	ECTS		EO 1		E	D 2		EO 3		EC	04
		•	•	2010	E01.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS3001	FLUID MECHANICS	3	0	5	X	X	X		X	X	X		X	X
INS3003	SOIL MECHANICS I	2	2	6	X	X	X	X	X	X	Х	Х	X	X
INS3005	STRUCTURAL ANALYSIS I	3	0	4	X	X	X		X	Х	Х		X	X
INS3007	REINFORCED CONCRETE I	3	0	4		X	X		X	Х	Х	Х	Х	X
INS3011	RAILWAY ENGINEERING	3	0	5		X	X		X	X	Х		Х	Х
	TECHNICAL ELECTIVE COURSES	2	0	4										
INS3035	SUMMER PRACTICE	0	0	2	X	X	X	X	X	Х	X	X	X	X

	3TH YEAR - 6TH SEMESTER						UNDERG	RADUAT		ATIONAL	OBJEC1	TIVES (EC	<b>D</b> )	
COURSE CODE	COURSE NAME	т	P	ECTS		EO 1		EC	D 2		EO 3		E	D 4
			•		EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS3002	HYDRAULICS	4	0	6	X	X	X		X	X	X		Х	X
INS3004	SOIL MECHANICS II	3	0	4		X	X			Х	X		Х	X
INS3006	STRUCTURAL ANALYSIS II	3	0	4	X	X	X		X	Х	X		Х	X
INS3008	HIGHWAY ENGINEERING	2	1	4	X	X	X	X	X	Х	X	Х	Х	X
INS3010	REINFORCED CONCRETE II	3	0	4		X	X		X	Х	X		Х	X
INS3012	HYDROLOGY	2	0	3		X	X		X	X	X		Х	X
INS3014	RESEARCH METHODS AND TECHNIQUES	2	0	2	Х	X	X	X	X	X	X	Х	Х	X
INS3024	SUMMER PRACTICE	0	0	3	X	X	X	X	X	X	X	X	Х	X

	4TH YEAR - 7TH SEMESTER						UNDERG	RADUAT	E EDUC	ATIONAL	OBJEC	IVES (E	<b>D</b> )	
COURSE CODE	COURSE NAME	т	Р	ECTS		EO 1		EC	) 2		EO 3		E	04
		•	•		EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS4000	GRADUTION THESIS	0	2	5	X	X	X	Х	X	X	X	X	Х	X
INS4003	STEEL STRUCTURES	3	0	4	X	X	X		X	X	X		Х	X
INS4005	WATER RESOURCES	4	0	5	X	X	X		X	X	X		Х	X
INS4007	FOUNDATION ENGINEERING	3	0	4		X	X		X	X	X		Х	X
INS4009	WATER SUPPLY AND ENVIRONMENTAL SANITATION	3	0	4	X	X	X	X	X	X	X	Х	Х	X
INS4013	CONSTRUCTION MANAGEMENT	3	0	4	X	X	X	Х	X	X	X	Х	Х	X
	TECHNICAL ELECTIVE COURSES	2	0	4										

	4TH YEAR - 8TH SEMESTER						UNDERG	RADUAT		ATIONAL	OBJECT	TIVES (EC	<b>)</b> )	
COURSE CODE	COURSE NAME	т	P	ECTS		EO 1		EC	D 2		EO 3		E	0 4
		•			EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS4000	GRADUTION THESIS	0	2	5	Х	X	Х	Х	X	Х	Х	X	Х	X
	TECHNICAL ELECTIVE COURSES I	3	0	4										
	TECHNICAL ELECTIVE COURSES II	3	0	4										
	TECHNICAL ELECTIVE COMPUTER APPLICATIONS COURSE	3	1	5										
	TECHNICAL ELECTIVE DESIGN COURSE I	2	1	6										
	TECHNICAL ELECTIVE DESIGN COURSE II	2	1	6										

	2ND YEAR - 3RD SEMESTER TECHNICAL ELECTIVE COURSES						UNDERG	RADUAT	re educ/	ATIONAL	OBJECT	TIVES (E	<b>)</b> )	
COURSE CODE	COURSE NAME	т	Р	ECTS		EO 1		EC	D 2		EO 3		EC	04
					EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS2043	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	2	0	3	Х	Х	Х	Х	X	Х	X	X	Х	X
INS2045	INTRODUCTION TO DATA MINING	2	0	3	Х	Х	Х	Х	X	Х	X	Х	Х	X
INS2047	SMART BUILDINGS AND SUSTAINABLE SYSTEM	2	0	3	Х	Х	X	Х	X	Х	X	Х	Х	X

	2ND YEAR - 3RD SEMESTER GENERAL ELECTIVE COURSES						UNDERG	RADUAT	E EDUC	ATIONAL	OBJEC	TIVES (E	<b>D</b> )	
COURSE CODE	COURSE NAME	т	Р	ECTS		EO 1		EC	) 2		EO 3		E	04
		·			EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS2013	QUALITY MANAGEMENT SYSTEM AND APPLICATION	2	0	4	X	Х	X	Х	Х	Х	Х	Х		
INS2017	REPORTING AND PRESENTATION TECHNIQUES	2	0	4	X	X	X	X	Х	Х	Х	Х	Х	X
INS2019	HUMAN RESOURCES MANAGEMENT	2	0	4	X	X	X	X	Х	Х	Х	Х		
INS2021	ORGANIZATION OF INSTITUTION	2	0	4	X	Х			Х			Х		
INS2023	LEADERSHIP AND MOTIVATION	2	0	4	X	Х		X	Х			Х	Х	X
INS2025	ORGANIZATIONAL THEORY AND BEHAVIOR	2	0	4	X	X	X	X	X	Х	Х	Х	Х	X
INS2027	PRODUCTION MANAGEMENT	2	0	4	X	Х	X	Х	Х	Х	Х	Х		
INS2029	CRISIS MANAGEMENT	2	0	4	X	X	X	X	X	Х	X	X		
INS2031	RISK MANAGEMENT	2	0	4	X	X	X	X	X	Х	X	X		
INS2033	ENVIRONMENT AND ENERGY	2	0	4	X	X	X	X	X	Х	X	X	Х	X
INS2035	LABOUR AND SOCIAL SECURITY LAW	2	0	4	X	Х	X	Х	Х	Х	Х	Х	Х	X
INS2039	INTRODUCTION TO MARKETING	2	0	4	X	Х		X	Х			Х	Х	X
INS2041	ENGINEERING APPLICATION	2	0	4	X	X	X	X	X	Х	X	X	Х	X

	2ND YEAR - 4TH SEMESTER SOCIAL ELECTIVE COURSES						UNDERG	GRADUA1	E EDUC	ATIONAL	OBJEC	TIVES (E	D)	
COURSE CODE	COURSE NAME	т	P	ECTS		EO 1		EC	) 2		EO 3		EC	D 4
		•	•	2010	E01.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2
INS2014	FIRST AID	2	0	4	X	X	X	X	X	X	X	X	X	X
INS2016	ACADEMIC WRITING	2	0	4	X	X	X	X	X	X	X	Х	Х	X
INS2024	ELECTIVE FOLK DANCE	2	0	4	X	X	X	X	X	X	X	Х	Х	X
INS2026	ACADEMIC WRITING	2	0	4	X	X	X	X	X	X	X	Х	Х	X
INS2028	LIFETIME SPORTS	2	0	4	X	X	X	X	X	X	X	Х	Х	X
INS2030	NATURAL DISASTERS AND DISASTERS EDUCATION	2	0	4	X	X	X	X	X	X	X	Х		
INS2038	PHOTOGRAPHY	2	0	4	X	X	X	X	X	X	X	Х	Х	X

INS2042	ART HISTORY	2	0	4	Х	X	X	X	X	X	X	X	X	X
INS2044	TRADITIONAL TURKISH HANDICRAFTS	2	0	4	Х	X	X	X	X	X	X	X	X	X
INS2052	INTRODUCTION TO SOCIOLOGY	2	0	4	Х	X	X	X	Х	X	X	X	X	X
INS2058	HISTORY OF SCIENCE AND PHILOSOPHY	2	0	4	Х	X	X	X	Х	X	X	X	X	X
INS2062	URBANIZATION PROBLEMS	2	0	4	Х	X	X	X	Х	X	X	X	X	X
INS2068	DEMOCRACY AND HUMAN RIGHTS	2	0	4	Х	X	X	X	X	X	X	X	X	X
INS2074	GERMAN	2	0	4	Х	X	X	X	X	X	X	X	X	X
INS2076	COMMUNICATION	2	0	4	Х	X	X	X	X	X	X	X	X	X
INS2078	CHINESE	2	0	4	Х	X	X	X	X	X	X	X	X	X
INS2080	RUSSIAN	2	0	4	Х	X	X	X	Х	X	X	X	X	X
INS2082	КАZАКН	2	0	4	Х	X	X	X	Х	X	X	X	X	X
INS2084	ENTREPRENEURSHIP	4	0	4	Х	X	X	X	Х	X	X	X	X	X

	3RD YEAR - 5TH SEMESTER TECHNICAL ELECTIVE COURSES						UNDERGRADUATE EDUCATIONAL OBJECTIVES (EO)											
				ECTS	EO 1			EC	D 2	EO 3			EO 4					
COURSE CODE	COURSE NAME	1	P		E01.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2				
INS3013	TRANSPORTATION	2	0	4	X	X	X		X	X	Х		X	X				
INS3015	READY MIXED CONCRETE AND EQUIPMENTS	2	0	4	X	X	X		X	X	Х		X	X				
INS3017	STRENGTH OF MATERIALS III	2	0	4	X	X	X		X	X	Х		X	X				
INS3019	ENERGY METHODS IN ENGINEERING MECHANICS	2	0	4	X	X	X		X	X	Х		X	X				
INS3021	INTRODUCTION TO STRUCTURAL DYNAMICS	2	0	4	X	X	X		X	X	Х		X	X				
INS3023	ADVANCED MATERIALS OF CONSTRUCTION	2	0	4	Х	X	X		X	X	Х		X	X				
INS3025	REINFORCED SOILS	2	0	4	X	X	X		X	X	Х		X	X				

	4TH YEAR - 7TH SEMESTER TECHNICAL ELECTIVE COURSES						UNDERG	RADUA	TE EDUC	EDUCATIONAL OBJECTIVES (EO)										
COURSE CODE	COURSE NAME			<b>5070</b>	EO 1			EO 2		EO 3			EC	) 4						
			P	ECTS	EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2						
INS4015	ENGINEERING ECONOMY	2	0	4	X	X	X	X	X	Х	X	Х	Х	X						
INS4017	CONSTRUCTION SITE TECHNOLOGY AND MEASUREMENT	2	0	4	X	X	X	X	X	Х	X	Х	Х	X						

4TH YEAR - 8TH SEMESTER TECHNICAL ELECTIVE COURSES I and II							UNDERG	RADUAT	E EDUC	ATIONAL	OBJEC1	TIVES (EC	<b>D</b> )	EO 4									
	COURSE NAME	т	Р	ECTS	EO 1			EC	EO 2		EO 3		EO 4										
COURSE CODE					EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2									
INS4004	RIVER HYDRAULICS	3	0	4	X	X	X		X	Х	X		Х	X									
INS4006	DAMS	3	0	4	Х	X	X		X	Х	X		Х	X									
INS4008	MULTI STOREY STEEL STRUCTURES	3	0	4		X	X			Х	X		Х	X									
INS4010	INTRODUCTION TO CONCRETE TECHNOLOGY	3	0	4		X	X			Х	X		Х	X									
INS4012	PRESTRESSED CONCRETE	3	0	4	X	X	X		X	Х	X		Х	X									
INS4014	HYDROELECTRIC POWER PLANTS	3	0	4	Х	X	X		X	Х	X		Х	X									
INS4016	STRUCTURAL FIRE SAFETY	3	0	4	X	X	X	X	X	Х	X	Х	Х	X									
INS4018	INTRODUCTION TO GEOTECHNICAL EARTHQUAKE ENGINEERING	3	0	4	X	X	X		X	Х	X		Х	X									
INS4020	SETTLEMENT OF SOILS	3	0	4		X	X			Х	X		Х	X									
INS4024	HIGHWAY SUPERSTRUCTURE	3	0	4		X	X			Х	X		Х	X									
INS4026	HIGH PERFORMANCE CONCRETE	3	0	4		X	X			Х	X		Х	X									
INS4028	INTRODUCTION TO SOIL STRUCTURE INTERACTION	3	0	4	Х	X	X		X	Х	X		Х	X									

INS4030	INTRODUCTION TO SOIL IMPROVEMENT METHODS	3	0	4		X	X		X	X	X		X	X
INS4032	TRAFFIC ENGINEERING	3	0	4	X	X	X		X	X	X		X	X
INS4034	TUNNEL ENGINEERING	3	0	4	X	X	X	X	X			X	X	X
INS4036	TRANSPORTATION SYSTEMS	3	0	4	X	X	X	X	X			X	X	X
INS4038	INFRASTRUCTURE FACILITIES IN TRANSPORTATION	3	0	4		X	X			X	X		X	X
INS4040	STRUCTURAL ANALYSIS III	3	0	4	X	X	X		X	X	X		X	X
INS4042	PREFABRICATED STRUCTURES	3	0	4		X	X			X	X		X	X
INS4044	INTRODUCTION TO EARTHQUAKE ENGINEERING	3	0	4	X	X	X		X	X	X		X	X
INS4046	INTRODUCTION TO EARTHQUAKE RESISTANT DESIGN	3	0	4	X	X	X	X	X	X	X	X	X	X
INS4048	CONCRETE HIGHWAYS	3	0	4	X	X	X			X	X		X	X
INS4050	IN SITU TESTS IN GEOTECHNICAL ENGINEERING	3	0	4		X	X		X	X	X		X	X
INS4052	REINFORCED CONCRETE III	3	0	4		X	X		X	X	X		X	X
INS4054	NON DESTRUCTIVE TESTING METHODS IN CONCRETE	3	0	4		X	X	X		X	X		X	X
INS4056	INTRODUCTION TO FINITE ELEMENT METHOD	3	0	4	X	X	X		X	X	X		X	X
INS4058	REPAIR AND RETROFITTINGIN STRUCTURES	3	0	4	X	X	X	X	X	X	X	X	X	X
INS4060	PROFESSIONAL FOREIGN LANGUAGE	3	0	4	X	X	X	X	X			X	X	X

	4TH YEAR - 8TH SEMESTER TECHNICAL ELECTIVE DESIGN COURSE I I and II					UNDERGRADUATE EDUCATIONAL OBJECTIVES (EO)										
COURSE CODE	COURSE NAME	т	Р	ECTS	EO 1			EC	D 2	EO 3			EO 4			
					EO1.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2		
INS4062	DESIGN OF REINFORCED CONCRETE STRUCTURES	2	1	6	X	X	X	X	X	X	Х	Х	X	X		
INS4064	DESIGN OF STEEL STRUCTURES	2	1	6	X	X	X	X	X	X	Х	Х	X	X		
INS4066	DESIGN OF WATER SUPPLY SYSTEMS	2	1	6	X	X	X	X	X	X	Х	Х	X	X		
INS4068	DESIGN OF HYDRAULIC STRUCTURES	2	1	6	X	X	X	X	X	X	Х	Х	X	X		
INS4070	FOUNDATION DESIGN OF STRUCTURES	2	1	6	X	X	X	X	X	X	Х	Х	X	X		
INS4072	HIGHWAY DESING	2	1	6	X	X	X	X	X	X	Х	Х	X	X		

4TH YEAR - 8TH SEMESTER TECHNICAL ELECTIVE COMPUTER APPLICATIONS COURSE I and II						UNDERGRADUATE EDUCATIONAL OBJECTIVES (EO)										
COURSE CODE	COURSE NAME	т	Р	ECTS	EO 1			EO 2		EO 3			EO 4			
					E01.1	EO1.2	EO1.3	EO2.1	EO2.2	EO3.1	EO3.2	EO3.3	EO4.1	EO4.2		
INS4074	COMPUTER APPLICATIONS IN GEOTECHNICAL ENGINEERING	3	1	5	X	Х	Х	Х	X	X	X	X	Х	X		
INS4076	COMPUTER APPLICATIONS IN HYDRAULIC ENGINEERING	3	1	5	Х	Х	Х	Х	Х	X	X	Х	Х	X		
INS4078	COMPUTER APPLICATIONS IN TRANSPORTATION ENGINEERING	3	1	5	X	Х	Х	Х	Х	X	X	Х	Х	X		
INS4080	COMPUTER APPLICATIONS IN STRUCTURAL MECHANICS	3	1	5	Х	Х	Х	Х	Х	X	X	Х	Х	X		
INS4082	COMPUTER APPLICATIONS IN STRUCTURAL ENGINEERING	3	1	5	X	Х	Х	Х	Х	X	X	X	Х	X		