

BURSA ULUDAĞ ÜNİVERSİTESİ  
2019-2020 EĞİTİM-ÖĞRETİM YILI  
DERS PLANLARI

FAKÜLTE/YÜKSEKOKUL/KONSERVATUVAR :MÜHENDİSLİK FAKÜLTESİ  
BÖLÜM/ PROGRAM: ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ

I.YARIYIL/GÜZ YARIYILI					II.YARIYIL/BAHAR YARIYILI							
HAFTALIK DERS SAATI					HAFTALIK DERS SAATI							
KOD	DERSİN ADI	T	U	L	AKTS	KOD	DERSİN ADI	T	U	L	AKTS	
ATA101	ATATÜRK İLKELERİ ve İNKILAP TARİHİ I	2	0	0	2	ATA102	ATATÜRK İLKELERİ ve İNKILAP TARİHİ II	2	0	0	2	
TUD101	TÜRK DİLİ I	2	0	0	2	TUD102	TÜRK DİLİ II	2	0	0	2	
YAD101	YABANCI DİL I (İNGİLİZCE I)	2	0	0	2	YAD102	YABANCI DİL II (İNGİLİZCE II)	2	0	0	2	
YAD111	YABANCI DİL I (ALMANCA I)	2	0	0	2	YAD112	YABANCI DİL II (ALMANCA II)	2	0	0	2	
YAD121	YABANCI DİL I (FRANSIZCA I)	2	0	0	2	YAD122	YABANCI DİL II (FRANSIZCA II)	2	0	0	2	
MAT1071	MATEMATİK I	3	2	0	6	MAT1072	MATEMATİK II	3	2	0	6	
FZK1071	TEMEL FİZİK I	3	0	2	6	FZK1072	TEMEL FİZİK II	3	0	2	6	
MAK1003	TEKNİK RESİM	2	2	0	3	INS1012	STATİK	3	0	0	4	
CEV1029	ÇEVRE KİRLİLİĞİ ve EKOLOJİ	2	0	0	3	BMB1002	BİLGİSAYAR PROGRAMLAMAYA GİRİŞ	2	0	2	6	
CEV1031	ÇEVRE MÜHENDİSLİĞİNE GİRİŞ	3	0	0	3	CEV1030	ÇEVRESEL KANTİTATİF ANALİZ	2	0	2	5	
KIM1077	GENEL KİMYA	3	0	0	3							
						<b>SEÇMELİ DERSLER</b> 36 AKTS ALAN İÇİ SEÇMELİ 15 AKTS ALAN DIŞI SEÇMELİ DERS SECİLECEK						
YARIYIL KREDİSİ					30	YARIYIL KREDİSİ					33	

III.YARIYIL/GÜZ YARIYILI					IV.YARIYIL/BAHAR YARIYILI									
HAFTALIK DERS SAATI					HAFTALIK DERS SAATI									
KOD	DERSİN ADI	T	U	L	AKTS	KOD	DERSİN ADI	T	U	L	AKTS			
MAT2083	DİFERANSİYEL DENKLEMLER	3	2	0	6	ISG202	İŞ SAĞLIĞI VE GÜVENLİĞİ II	2	0	0	2			
CEV2025	ÇEVRE KİMYASI I	2	0	2	5	INS3054	HİDROLİK	2	1	0	4			
CEV2027	MİKROBİYOLOJİ	2	0	2	6	CEV2026	ÇEVRE KİMYASI II	2	0	2	4			
CEV2033	AKIŞKANLAR MEKANİĞİ	2	1	0	5	MAK2007	TERMODİNAMİK I	3	0	0	5			
ISG201	İŞ SAĞLIĞI VE GÜVENLİĞİ I	2	0	0	2	CEV2030	ÇEVRE MİKROBİYOLOJİSİ	3	0	2	4			
						MAT2017	OLASILIK ve İSTATİSTİK	2	2	0	4			
						CEV2036	ÇEVRE MÜHENDİSLİĞİNDE FİZİKSEL TEMEL İŞLEMLER	2	1	0	4			
						CEV2038	ENVIRONMENTAL ENGINEERING	2	0	0	3			
<b>SEÇMELİ DERSLER</b>					<b>SEÇMELİ DERSLER</b>									
ALAN İÇİ SEÇMELİ (1 ADET)					2	ALAN İÇİ SEÇMELİ (1 ADET)					2	0	0	3
ALAN DIŞI SEÇMELİ (1 ADET)					2	YARIYIL KREDİSİ					33			
YARIYIL KREDİSİ					30	YARIYIL KREDİSİ					33			

V.YARIYIL/GÜZ YARIYILI					VI.YARIYIL/BAHAR YARIYILI									
HAFTALIK DERS SAATI					HAFTALIK DERS SAATI									
KOD	DERSİN ADI	T	U	L	AKTS	KOD	DERSİN ADI	T	U	L	AKTS			
CEV3023	ÇEVRE MÜHENDİSLİĞİNDE KİMYASAL TEMEL İŞLEMLER	2	0	1	5	CEV3028	İÇME SULARININ ARITILMASI	2	1	0	5			
CEV3025	BİYOKİMYASAL PROSESLER	2	1	0	4	CEV3030	ATIKSU MÜHENDİSLİĞİ	2	1	0	5			
CEV3027	SU KİRLİLİĞİ ve KONTROLÜ	2	1	0	3	CEV3032	HAVA KİRLİLİĞİ KONTROL MÜHENDİSLİĞİ	2	0	0	4			
CEV3029	SU GETİRME ve KANALİZASYON	2	2	0	4	CEV3034	KATI ATIK YÖNETİMİ	3	1	0	4			
CEV3031	HAVA KİRLİLİĞİ	3	0	0	5	CEV3074	ÇEVRE MÜHENDİSLİĞİ PROJESİ I	0	4	0	3			
<b>SEÇMELİ DERSLER</b>					<b>SEÇMELİ DERSLER</b>									
ALAN İÇİ SEÇMELİ (2 ADET)					4	ALAN İÇİ SEÇMELİ (2 ADET)					4	0	0	6
ALAN DIŞI SEÇMELİ (1 ADET)					2	ALAN DIŞI SEÇMELİ (1 ADET)					2	0	0	3
YARIYIL KREDİSİ					30	YARIYIL KREDİSİ					30			

VII.YARIYIL/GÜZ YARIYILI					VIII.YARIYIL/BAHAR YARIYILI									
HAFTALIK DERS SAATI					HAFTALIK DERS SAATI									
KOD	DERSİN ADI	T	U	L	AKTS	KOD	DERSİN ADI	T	U	L	AKTS			
CEV4041	ENDÜSTRİYEL KİRLİLİK ve KONTROLÜ	2	1	0	4	CEV4042	ÇEVRESEL MODELLEME	2	1	0	4			
CEV4043	DENİZ DEŞARJLARI	2	0	0	3	CEV4046	TOPRAK ve YERALTISUYU KİRLİLİĞİ	2	0	0	4			
CEV4047	ARITMA ÇAMURLARININ TASFIYESİ	2	0	0	3	CEV4006	BİTİRME PROJESİ*	0	4	0	5			
CEV4101	ÇEVRE MÜHENDİSLİĞİ PROJESİ II	0	4	0	3	CEV4106	SEMİNER	0	1	0	1			
CEV4105	STAJ I	0	0	0	4	CEV4112	STAJ 2	0	0	0	4			
CEV4107	BİTİRME PROJESİ HAZIRLIK	0	1	0	1									
<b>SEÇMELİ DERSLER</b>					<b>SEÇMELİ DERSLER</b>									
ALAN İÇİ SEÇMELİ (3 ADET)					6	ALAN İÇİ SEÇMELİ (3 ADET)					6	0	0	9
ALAN DIŞI SEÇMELİ (1 ADET)					2	ALAN DIŞI SEÇMELİ (1 ADET)					2	0	0	3
YARIYIL KREDİSİ					30	YARIYIL KREDİSİ					30			

	AKTS
Toplam Seçmeli Ders Kredisi :	51
Toplam Mezuniyet Kredisi :	246
Toplam Seçmeli Ders Kredi Oranı	0,21

Doküman KOD:RİT-FR-ÖİD-12 Revizyon No:06

Tarih :  
İmza :

BURSA ULUDAG UNIVERSITY  
2019-2020 ACADEMIC YEAR  
CURRICULUM

FACULTY :ENGINEERING FACULTY

DEPARTEMENT/ PROGRAM : ENVIRONMENTAL ENGINEERING DEPARTMENT

I.TERM/FALL SEMESTER					II.TERM/SPRING SEMESTER						
		COURSE HOUR PER WEEK						COURSE HOUR PER WEEK			
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS
ATA101	ATATURK'S PRINCIPALS and HISTORY of REVOLUTIONS I	2	0	0	2	ATA102	ATATURK'S PRINCIPALS and HISTORY of REVOLUTIONS II	2	0	0	2
TUD101	TURKISH LANGUAGE I	2	0	0	2	TUD102	TURKISH LANGUAGE II	2	0	0	2
YAD101	FOREIGN LANGUAGE I (ENGLISH I)	2	0	0	2	YAD102	FOREIGN LANGUAGE II (ENGLISH II)	2	0	0	2
YAD111	FOREIGN LANGUAGE I (GERMAN I)	2	0	0	2	YAD112	FOREIGN LANGUAGE II (GERMAN II)	2	0	0	2
YAD121	FOREIGN LANGUAGE I (FRENCH I)	2	0	0	2	YAD122	FOREIGN LANGUAGE II (FRENCH II)	2	0	0	2
MAT1071	MATHEMATICS I	3	2	0	6	MAT1072	MATHEMATICS II	3	2	0	6
FZK1071	BASIC PHYSICS I	3	0	2	6	FZK1072	BASIC PHYSICS II	3	0	2	6
MAK1003	TECHNICAL DRAWING	2	2	0	3	INS1012	STATICS	3	0	0	4
CEV1029	ENVIRONMENTAL POLLUTION and ECOLOGY	2	0	0	3	BMB1002	INTRODUCTION TO COMPUTER PROGRAMMING	2	0	2	6
CEV1031	INTRODUCTION to ENVIRONMENTAL ENGINEERING	3	0	0	3	CEV1030	ENVIRONMENTAL QUANTITATIVE ANALYSIS	2	0	2	5
KIM1077	GENERAL CHEMISTRY	3	0	0	3						
<b>TERM CREDITS</b>						<b>TERM CREDITS</b>					
					30						33

III.TERM/FALL SEMESTER					IV.TERM/SPRING SEMESTER						
		COURSE HOUR PER WEEK						COURSE HOUR PER WEEK			
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS
MAT2083	DIFFERENTIAL EQUATIONS	3	2	0	6	ISG202	OCCUPATIONAL HEALTH AND SAFETY II	2	0	0	2
CEV2025	ENVIRONMENTAL CHEMISTRY I	2	0	2	5	INS3054	HYDRAULICS	2	1	0	4
CEV2027	MICROBIOLOGY	2	0	2	6	CEV2026	ENVIRONMENTAL CHEMISTRY II	2	0	2	4
CEV2033	FLUID MECHANICS	2	1	0	5	MAK2007	THERMODYNAMICS I	3	0	0	5
ISG201	OCCUPATIONAL HEALTH AND SAFETY I	2	0	0	2	CEV2030	ENVIRONMENTAL MICROBIOLOGY	3	0	2	4
						MAT2017	PROBABILITY AND STATISTICS	2	2	0	4
						CEV2036	PHYSICAL UNIT OPERATIONS of ENVIRONMENTAL ENGINEERING	2	1	0	4
						CEV2038	ENVIRONMENTAL ENGINEERING	2	0	0	3
<b>ELECTIVE COURSES</b>					<b>ELECTIVE COURSES</b>						
FIELD COURSE (1 COURSES )		2	0	0	3	FIELD COURSE (1 COURSES )		2	0	0	3
NON-FIELD COURSE (1 COURSES )		2	0	0	3	NON-FIELD COURSE (1 COURSES )		2	0	0	3
<b>TERM CREDITS</b>						<b>TERM CREDITS</b>					
					30						33

V.TERM/FALL SEMESTER					VI.TERM/SPRING SEMESTER						
		COURSE HOUR PER WEEK						COURSE HOUR PER WEEK			
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS
CEV3023	CHEMICAL OPERATIONS of ENVIRONMENTAL ENGINEERING	2	0	1	5	CEV3028	DRINKING WATER TREATMENT	2	1	0	5
CEV3025	BIOCHEMICAL PROCESSES	2	1	0	4	CEV3030	WASTEWATER ENGINEERING	2	1	0	5
CEV3027	WATER POLLUTION and CONTROL	2	1	0	3	CEV3032	AIR POLLUTION CONTROL ENGINEERING	2	0	0	4
CEV3029	WATER SUPPLY and SEWAGE	2	2	0	4	CEV3034	SOLID WASTE MANAGEMENT	3	1	0	4
CEV3031	AIR POLLUTION	3	0	0	5	CEV3074	ENVIRONMENTAL ENGINEERING PROJECT I	0	4	0	3
<b>ELECTIVE COURSES</b>					<b>ELECTIVE COURSES</b>						
FIELD COURSE (2 COURSES )		4	0	0	6	FIELD COURSE (2 COURSES )		4	0	0	6
NON-FIELD COURSE (1 COURSES )		2	0	0	3	NON-FIELD COURSE (1 COURSES )		2	0	0	3
<b>TERM CREDITS</b>						<b>TERM CREDITS</b>					
					30						30

VII.TERM/FALL SEMESTER					VIII.TERM/SPRING SEMESTER						
		COURSE HOUR PER WEEK						COURSE HOUR PER WEEK			
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS
CEV4041	INDUSTRIAL POLLUTION and CONTROL	2	1	0	4	CEV4042	ENVIRONMENTAL MODELLING	2	1	0	4
CEV4043	MARINE OUTFALL SYSTEMS	2	0	0	3	CEV4046	SOIL and UNDERGROUND WATER POLLUTION	2	0	0	4
CEV4047	TREATMENT of WASTEWATER SLUDGES	2	0	0	3	CEV4006	FINAL PROJECT*	0	4	0	5
CEV4101	ENVIRONMENTAL ENGINEERING PROJECT II	0	4	0	3	CEV4106	SEMINAR	0	1	0	1
CEV4105	PRACTISE I	0	0	0	4	CEV4112	PRACTISE II	0	0	0	4
CEV4107	PREPERATION TO FINAL PROJECT	0	1	0	1						
<b>ELECTIVE COURSES</b>					<b>ELECTIVE COURSES</b>						
FIELD COURSE (3 COURSES )		6	0	0	9	FIELD COURSE (3 COURSES )		6	0	0	9
NON-FIELD COURSE (1 COURSES )		2	0	0	3	NON-FIELD COURSE (1 COURSES )		2	0	0	3
<b>TERM CREDITS</b>						<b>TERM CREDITS</b>					
					30						30

Doküman KOD:RİT-FR-ÖİD-12 Revizyon No:06

Tarih :

İmza :

BURSA ULUDAĞ ÜNİVERSİTESİ  
2019-2020 EĞİTİM-ÖĞRETİM YILI  
SEÇMELİ DERSLER LİSTESİ

MESLEK YÜKSEKOKULU : MÜHENDİSLİK FAKÜLTESİ  
BÖLÜM/PROGRAM : ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ

I.YARIYIL/GÜZ					II.YARIYIL/BAHAR						
ALAN İÇİ SEÇMELİ DERSLER					ALAN İÇİ SEÇMELİ DERSLER						
KOD	DERSİN ADI	HAFTALIK DERS SAATI				KOD	DERSİN ADI	HAFTALIK DERS SAATI			
		T	U	L	AKTS			T	U	L	AKTS
ALAN DIŞI SEÇMELİ DERSLER					ALAN DIŞI SEÇMELİ DERSLER						

III.YARIYIL/GÜZ					IV.YARIYIL/BAHAR						
ALAN İÇİ SEÇMELİ DERSLER					ALAN İÇİ SEÇMELİ DERSLER						
KOD	DERSİN ADI	HAFTALIK DERS SAATI				KOD	DERSİN ADI	HAFTALIK DERS SAATI			
		T	U	L	AKTS			T	U	L	AKTS
CEV2031	KÜTLE TRANSFERİ	2	0	0	3	INS3071	ZEMİN MEKANİĞİ	2	1	0	4
CEV2035	ÇEVRE MÜHENDİSLİĞİ JEOLOJİSİ	2	0	0	3	CEV2040	TÜRKİYE'DE ÇEVRE SORUNLARI	2	0	0	3
CEV2037	ÇEVREYLE UYUMLU YENİLENEBİLİR ENERJİ KAYNAKLARI	2	0	0	3	CEV2042	GÜRÜLTÜ KİRLİLİĞİ ve KONTROLÜ	2	0	0	3
CEV2039	ATIKSULARIN SINIFLANDIRILMASI ve KARAKTERİZASYONU	2	0	0	3	CEV2044	ÇEVRE MEVZUATI	2	0	0	3
ALAN DIŞI SEÇMELİ DERSLER					ALAN DIŞI SEÇMELİ DERSLER						
CEV2041	ETKİN SUNUŞ TEKNİKLERİ	2	0	0	3						
CEV2043	ATIKLARIN GERİDÖNÜŞÜMÜ	2	0	0	3						

V.YARIYIL/GÜZ					VI.YARIYIL/BAHAR						
ALAN İÇİ SEÇMELİ DERSLER					ALAN İÇİ SEÇMELİ DERSLER						
KOD	DERSİN ADI	HAFTALIK DERS SAATI				KOD	DERSİN ADI	HAFTALIK DERS SAATI			
		T	U	L	AKTS			T	U	L	AKTS
CEV3017	PRINCIPLES of WATER QUALITY CONTROL	2	0	0	3	CEV3018	WATER SUPPLY and WASTEWATER DISPOSAL	2	0	0	3
CEV3035	FİZİKSEL KİMYA UYGULAMALARI	2	0	0	3	CEV3036	ATIKSU TOPLAMA SİSTEMLERİNİN TASARIMI	2	0	0	3
CEV3037	ÇEVRE PLANLAMA ve UYGULAMA ESASLARI	2	0	0	3	INS3052	HİDROLOJİ	2	1	0	5
CEV3045	TOPRAK BİYOLOJİSİ	2	0	0	3	CEV3044	ATIKSU POMPALARI	2	0	0	3
CEV3047	METALLER ve TOKSİK ORGANİK BİLEŞİKLERİN MİKROBİYAL YÖNTEMLERLE GİDERİMİ	2	0	0	3	CEV3046	KİMYASAL ARITMA ve UYGULAMALARI	2	0	0	3
CEV3057	ÇEVRE MÜHENDİSLİĞİNDE İŞÇİ SAĞLIĞI ve İŞ GÜVENLİĞİ	2	0	0	3	CEV3048	FİZİKSEL ARITMA ve UYGULAMALARI	2	0	0	3
CEV3059	INTRODUCTION to ENVIRONMENTAL SOIL CHEMISTRY	2	0	0	3	CEV3050	ATMOSFER KİMYASI	2	0	0	3
CEV3061	ÇEVRE MÜHENDİSLİĞİNDE ETİK	2	0	0	3	CEV3052	BIYOLOJİK ARITMADA TOKSİSİTE BELİRLEME TEKNİKLERİ	2	0	0	3
CEV3063	ÇEVRE MÜHENDİSLİĞİNDE COĞRAFI BİLGİ SİSTEMİ UYGULAMALARI	2	0	0	3	CEV3070	MESLEKİ YABANCI DİL I	2	0	0	3
						CEV3072	GÖL KİRLİNMESİ	2	0	0	3
						CEV3076	ENVIRONMENTAL POLICY and INSTRUMENTS	2	0	0	3
						CEV3078	ATIKSULARIN ARITIMINDA BIYOLOJİK SÜREÇLER	2	0	0	3
						CEV3080	ÇEVRE MÜHENDİSLERİ İÇİN RİSK ANALİZİ ve DEĞERLENDİRİLMESİ	2	0	0	3
						CEV3082	KİYİ EKOSİSTEMİ VE YÖNETİMİ	2	0	0	3
ALAN DIŞI SEÇMELİ DERSLER					ALAN DIŞI SEÇMELİ DERSLER						
CEV3049	SU TEMİNİ TARİHÇESİ	2	0	0	3						
CEV3055	YABANCI DİLDE OKUMA ve KONUŞMA	2	0	0	3						
CEV3065	AKADEMİK ARAŞTIRMA ve RAPORLAMA TEKNİKLERİ	2	0	0	3						

VII.YARIYIL/GÜZ					VIII.YARIYIL/BAHAR						
ALAN İÇİ SEÇMELİ DERSLER					ALAN İÇİ SEÇMELİ DERSLER						
KOD	DERSİN ADI	HAFTALIK DERS SAATI				KOD	DERSİN ADI	HAFTALIK DERS SAATI			
		T	U	L	AKTS			T	U	L	AKTS
CEV4013	ÖLÇME ve OTOMATİK KONTROL	2	0	0	3	CEV4018	ARITMA TESİSLERİNİN BOYUTLANDIRILMASI	2	0	0	3
CEV4017	AIR POLLUTION SCIENCE	2	0	0	3	CEV4034	AIR POLLUTION DESIGN	2	0	0	3
CEV4049	ÇEVRESEL ETKİ DEĞERLENDİRİLMESİ	2	0	0	3	CEV4044	ÇEVRE HUKUKU	2	0	0	3
CEV4055	ATIKSULARIN BIYOLOJİK ARITIMI	2	0	0	3	CEV4048	ARITMA TESİSLERİNİN İŞLETİLMESİ ve EKONOMİSİ	2	0	0	3
CEV4061	İLERİ ARITMA TEKNOLOJİLERİ	2	0	0	3	CEV4072	ATIKSULARIN GERİ KULLANIM TEKNİKLERİ	2	0	0	3
CEV4069	HAVA KİRLİLİĞİ ÖLÇÜMLERİ ve ÖLÇÜM ESASLARI	2	0	0	3	CEV4082	ANAEROBİK ARITMA	2	0	0	3
CEV4079	ATIKSULARDAN BIYOLOJİK NUTRIENT GİDERİMİ	2	0	0	3	CEV4084	DENİZ DEŞARJİ SİSTEMLERİNİN TASARIMI	2	0	0	3
CEV4081	TEHLİKELİ ATIK YÖNETİMİ	2	0	0	3	CEV4086	ÇEVRE YÖNETİM SİSTEMİ ve STANDARTLARI	2	0	0	3
CEV4087	MESLEKİ YABANCI DİL II	2	0	0	3	CEV4090	AKTİF ÇAMUR MİKROBİYOLOJİSİNİN PROSES KONTROLÜNDE KULLANIMI	2	0	0	3
CEV4089	KİRLİLİK ÖNLENMESİ ve ATIK AZALTMA TEKNİKLERİ	2	0	0	3	CEV4094	İÇME SULARINDA DEZENFEKSİYON YAN ÜRÜNLERİ ve KONTROLÜ	2	0	0	3
CEV4093	HAZARDOUS WASTE MANAGEMENT	2	0	0	3	CEV4096	DEPONİ MÜHENDİSLİĞİ	2	0	0	3
CEV4097	MARINE OUTFALL SYSTEMS	2	0	0	3	CEV4098	ACADEMIC WRITING and EFFECTIVE ORAL PRESENTATION TECHNIQUES	2	0	0	3
CEV4099	ENVIRONMENTAL IMPACT ASSESSMENT	2	0	0	3	CEV4100	ENVIRONMENTAL MANAGEMENT SYSTEM STANDARDS	2	0	0	3
CEV4103	BIYOİYİLEŞTİRMEİNİN TEMELLERİ	2	0	0	3	CEV4102	ANAEROBİK TREATMENT	2	0	0	3
						CEV4104	OPERATION of SOLID and HAZARDOUS WASTE DISPOSAL FACILITIES	2	0	0	3
						CEV4108	KİRLİNMİŞ TOPRAKLARI ARITMA TEKNOLOJİLERİ	2	0	0	3
						CEV4110	KATI ATIKLARIN BIYOLOJİK DÖNÜŞÜM TEKNOLOJİLERİ	2	0	0	3
						CEV4114	TEHLİKELİ ATIK BERTARAF TEKNOLOJİLERİ	2	0	0	3
ALAN DIŞI SEÇMELİ DERSLER					ALAN DIŞI SEÇMELİ DERSLER						
CEV4085	ORGANİZE SANAYİ BÖLGELERİNİN TARİHSEL GELİŞİMİ	2	0	0	3	CEV4092	İŞ HAYATI İÇİN YABANCI DİL	2	0	0	3

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**ALAN DIŞI SEÇMELİ DERSLER BELİRTİLEN SADECE ÖĞRENCİNİN SORUMLU OLACAĞI DERS KREDİSİ BELİRTİLECEK.**

Tarih :  
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**BURSA ULUDAG UNIVERSITY**  
**2019-2020 ACADEMIC YEAR**  
**ELECTIVE COURSES LIST**

FACULTY :ENGINEERING FACULTY

DEPARTMENT/PROGRAM :ENVIRONMENTAL ENGINEERING DEPARTMENT

I.TERM/FALL SEMESTER						II.TERM/SPRING SEMESTER					
COURSES IN THE FIELD						COURSES IN THE FIELD					
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS
COURSES OUT OF FIELD						COURSES OUT OF FIELD					

III.TERM/FALL SEMESTER						IV.TERM/SPRING SEMESTER					
COURSES IN THE FIELD						COURSES IN THE FIELD					
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS
CEV2031	MASS TRANSFER	2	0	0	3	CEV2034	SOIL MECHANICS	2	0	0	3
CEV2035	ENVIRONMENTAL ENGINEERING GEOLOGY	2	0	0	3	CEV2040	ENVIRONMENTAL PROBLEMS in TURKEY	2	0	0	3
CEV2037	ENVIRONMENTALLY COMPATIBLE RENEWABLE ENERGY SOURCES	2	0	0	3	CEV2042	NOISE POLLUTION and CONTROL	2	0	0	3
CEV2039	WASTEWATER CLASSIFICATION and CHARACTERIZATION	2	0	0	3	CEV2044	ENVIRONMENTAL REGULATIONS	2	0	0	3
COURSES OUT OF FIELD						COURSES OUT OF FIELD					
CEV2041	EFFECTIVE PRESENTATION TECHNIQUES	2	0	0	3						
CEV2043	RECYCLING OF WASTES	2	0	0	3						

V.TERM/FALL SEMESTER						VI.TERM/SPRING SEMESTER					
COURSES IN THE FIELD						COURSES IN THE FIELD					
CODE	COURSE	T	A	L	ECTS	CODE	DERSİN ADI	T	A	L	ECTS
CEV3017	PRINCIPLES of WATER QUALITY CONTROL	2	0	0	3	CEV3018	WATER SUPPLY and WASTEWATER DISPOSAL	2	0	0	3
CEV3035	PHYSICAL CHEMICAL APPLICATIONS	2	0	0	3	CEV3036	DESIGN of WASTEWATER COLLECTION SYSTEMS	2	0	0	3
CEV3037	PRINCIPLES of ENVIRONMENTAL PLANNING and APPLICATION	2	0	0	3	CEV3038	HYDROLOGY	2	0	0	3
CEV3045	SOIL BIOLOGY	2	0	0	3	CEV3044	WASTEWATER PUMPS	2	0	0	3
CEV3047	REMOVAL of METALS and TOXIC ORGANIC COMPOUNDS BY MICROBIAL METHODS	2	0	0	3	CEV3046	CHEMICAL TREATMENT and APPLICATIONS	2	0	0	3
CEV3057	OCCUPATIONAL SAFETY and HEALTH in ENVIRONMENTAL ENGINEERING	2	0	0	3	CEV3048	PHYSICAL TREATMENT and APPLICATIONS	2	0	0	3
CEV3059	INTRODUCTION TO ENVIRONMENTAL SOIL CHEMISTRY	2	0	0	3	CEV3050	ATMOSPHERIC CHEMISTRY	2	0	0	3
CEV3061	ETHICS IN ENVIRONMENTAL ENGINEERING	2	0	0	3	CEV3052	TOXICITY DETERMINATION TECHNIQUES in BIOLOGICAL TREATMENT	2	0	0	3
CEV3063	GEOGRAPHIC INFORMATION SYSTEMS APPLICATIONS IN ENVIRONMENTAL ENGINEERING	2	0	0	3	CEV3072	LAKE POLLUTION	2	0	0	3
						CEV3076	ENVIRONMENTAL POLICY and INSTRUMENTS	2	0	0	3
						CEV3070	OCCUPATIONAL FOREIGN LANGUAGE I	2	0	0	3
						CEV3078	BIOLOGICAL PROCESSES in WASTEWATER	2	0	0	3
						CEV3080	ANALYSIS and EVALUATION OF RISK in ENVIRONMENTAL ENGINEERING	2	0	0	3
						CEV3082	COASTAL ECOSYSTEM AND MANAGEMENT	2	0	0	3
COURSES OUT OF FIELD						COURSES OUT OF FIELD					
CEV3049	WATER SUPPLY HISTORY	2	0	0	3						
CEV3055	READING and SPEAKING in FOREIGN LANGUAGE	2	0	0	3						
CEV3065	ACADEMIC RESEARCH AND REPORTING TECHNIQUES	2	0	0	3						

VII.TERM/FALL SEMESTER						VIII.TERM/SPRING SEMESTER					
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COURSES IN THE FIELD						COURSES IN THE FIELD					
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS
CEV4013	MEASUREMENT and AUTOMATIC CONTROL	2	0	0	3	CEV4018	DESIGN of TREATMENT PLANTS	2	0	0	3
CEV4017	AIR POLLUTION SCIENCE	2	0	0	3	CEV4034	AIR POLLUTION DESIGN	2	0	0	3
CEV4049	ENVIRONMENTAL IMPACT ASSESSMENT	2	0	0	3	CEV4044	ENVIRONMENTAL LAWS	2	0	0	3
CEV4055	BIOLOGICAL TREATMENT of WASTEWATER	2	0	0	3	CEV4048	OPERATION and ECONOMY of WASTEWATER TREAT.PLANTS	2	0	0	3
CEV4061	ADVANCED TREATMENT TECHNOLOGIES	2	0	0	3	CEV4072	THE REUSE METHODS of WASTEWATER	2	0	0	3
CEV4069	AIR POLLUTION MEASUREMENTS and MEASUREMENT TECHNIQUES	2	0	0	3	CEV4082	ANAEROBIC TREATMENT	2	0	0	3
CEV4079	BIOLOGICAL NUTRIENT REMOVAL FROM WASTEWATERS	2	0	0	3	CEV4084	DESIGN of MARINE OUTFALL SYSTEMS	2	0	0	3
CEV4081	HAZARDOUS WASTE MANAGEMENT	2	0	0	3	CEV4086	SYSTEMS and STANDARDS of ENVIRONMENTAL MANAGEMENT	2	0	0	3
CEV4087	OCCUPATIONAL FOREIGN LANGUAGE II	2	0	0	3	CEV4090	THE USE of ACTIVATED SLUDGE MICROBIOLOGY on PROCESS CONTROL	2	0	0	3
CEV4089	POLLUTION PREVENTION and WASTE MINIMIZATION TECHNIQUES	2	0	0	3	CEV4094	DISINFECTION BYPRODUCTS and CONTROL of THE DRINKING WATER	2	0	0	3
CEV4093	HAZARDOUS WASTE MANAGEMENT	2	0	0	3	CEV4096	LANDFILL ENGINEERING	2	0	0	3
CEV4097	MARINE OUTFALL SYSTEMS	2	0	0	3	CEV4098	ACADEMIC WRITING and EFFECTIVE ORAL PRES. TECH	2	0	0	3
CEV4099	ENVIRONMENTAL IMPACT ASSESSMENT	2	0	0	3	CEV4100	ENVIRONMENTAL MANAGEMENT SYSTEM STANDARDS	2	0	0	3
CEV4103	FUNDAMENTALS of BIOREMEDIATION	2	0	0	3	CEV4102	ANAEROBIC TREATMENT	2	0	0	3
						CEV4104	OPERATION of SOLID and HAZARDOUS WASTE DISPOSAL FACILITIES	2	0	0	3
						CEV4108	CONTAMINATED SOILTREATMENT TECHNOLOGIES	2	0	0	3
						CEV4110	BIOLOGICAL CONVERSION TECHNOLOGIES OF SOLID WASTES	2	0	0	3
						CEV4114	HAZARDOUS WASTE DISPOSAL TECHNOLOGIES	2	0	0	3
COURSES OUT OF FIELD						COURSES OUT OF FIELD					
CEV4085	HISTORICAL DEVELOPMENT of ORGANIZED INDUSTRIAL DISTRICTS	2	0	0	3	CEV4092	FOREIGN LANGUAGE in BUSINESS	2	0	0	3

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