ENVIRONMENTAL ENGINEERING

DE VT OF
DEPARTMENT / PROGRAM / Master'sDegree Program

		PROGRAM / Master'sDegree Program I. TERM / FALL		II. TERM / SPRING												
ľ	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	Т	U	L	Credit	ECTS
	CEV5191	MA THESIS I	С	0	1	0	0	1	CEV5192	MS THESIS II	C	0	1	0	0	1
	CEV5301	ENVIRONMENTAL MOVEMENT OF CHEMICALS	С	3	0	0	3	6	CEV5172	SEMINAR	С	0	2	0	0	5
				ļ		<u> </u>			CEV5302	STATISTICS FOR ENVIRONMENTAL ENGINEERS	С	3	0	0	3	6
									CEV5304	ADVANCED ENVIRONMENTAL ENGINEERING CHEMISTRY I	C	3	0	0	3	7
	CEV5181	ADVANCED TOPICS IN MS THESIS I	Е	4	0	0	0	5	CEV5182	ADVANCED TOPICS IN MS THESIS II	Е	4	0	0	0	5
	CEV5121	ENVIRONMENTAL MANAGEMENT	Е	3	0	0	3		CEV5102	ENVİRONMENTAL INSTRUMENTAL ANALYSIS	Е	2	0	2	3	6
	CEV5147	MICROBIAL QUALITY OF DRINKING WATER AND CONTROL OF DISINFECTION BY-PRODUCTS	Е	3	0	0	3	6	CEV5122	WATER QUALITY MANAGEMENT	Е	2	2	0	3	6
	CEV5243	INDUSTRIAL AIR POLLUTION	Е	3	0	0	3	6	CEV5148	RECYCLE AND REUSE TECHNIQUES ON INDUSTRIAL WASTEWATERS	Е	3	0	0	3	6
	CEV5247	BASICS OF ENVIRONMENTAL TECHNOLOGY	Е	3	0	0	3	6	CEV5222	INDUSTRIAL WASTE MANAGEMENT	Е	3	0	0	3	6
	CEV5249	DESIGN CRITERIA FOR WASTEWATER TREATMENT PLANTS	Е	2	2	0	3	6	CEV5224	PRINCIPLES OF BIOLOGICAL TREATMENT	Е	3	0	0	3	6
	CEV5251	STACK GAS MEASUREMENT AND ANALYSIS	Е	2	0	2	3	6	CEV5226	WASTEWATER ENGINEERING	Е	2	2	0	3	6
	CEV5253	MEASUREMENT AND MONITORING OF AMBIENT AIR	Е	2	0	2	3	6	CEV5228	ION EXCHANGE AND ADSORPTION TECHNOLOGY IN WASTEWATER TREATMENT	Е	2	2	0	3	6
Ä	CEV5255	WETLAND SYSTEMS IN WASTEWATER TREATMENT	Е	3	0	0	3	6	CEV5230	THE DESIGN OF LANDFILL AREAS	Е	2	2	0	3	6
AC	CEV5257	ENVIRONMENTAL SAFETY FOR INDUSTRIES	Е	3	0	0	3	6	CEV5232	AIR POLLUTION ENGINEERING	Е	3	0	0	3	6
S	CEV5263	RENEWABLE ENERGY AND ENVIRONMENT	Е	3	0	0	3	6	CEV5234	ATMOSPHERIC TRANSPORT AND DEPOSITION	Е	2	0	2	3	6
COURSE STAGE	CEV5265	CLEANER PRODUCTION PRINCIPLES	Е	3	0	0	3	6	CEV5236	INSTRUMENTATION AND AUTOMATION OF WATER AND WASTEWATER TREATMENT PLANTS	Е	2	2	0	3	6
00 	CEV5267	WATER AND WASTEWATER MICROBIOLOGY	Е	3	0	0	3	6	CEV5238	BIOINDICATOR ORGANISMS IN DETERMINATION OF WATER QUALITY	Е	3	0	0	3	6
	CEV5269	ANAEROBIC TREATMENT OF WASTES	Е	3	0	0	3	6	CEV5242	DISINFECTION OF WATER AND WASTEWATER	Е	3	0	0	3	6
	CEV5271	GREENHOUSE GASES CALCULATION METHODS AND CLIMATE CHANGE	Е	2	2	0	3	6	CEV5244	MICROBIAL TECHNIQUES IN ENVIRONMENTAL ENGINEERING	Е	3	0	0	3	6
	CEV5273	NANOTECHNOLOGY IN ENVIRONMENTAL ENGINEERING	Е	3	0	0	3	6	CEV5246	ADVANCED ATMOSPHERIC CHEMISTRY	Е	3	0	0	3	6
	CEV5275	INTEGRATED WASTE MANAGEMENT TECHNOLOGIES	Е	3	0	0	3	6	CEV5248	ENVIRONMENTAL POLLUTION AND PUBLIC HEALTH	Е	3	0	0	3	6
	CEV5277	WASTE DISPOSAL AND LEGAL FRAMEWORK	Е	3	0	0	3	6	CEV5250	ON-SITE WASTEWATER TREATMENT	Е	3	0	0	3	6
	CEV5279	FORMATION AND TREATMENT OF LANDFILL LEACHATE	Е	3	0	0	3	6	CEV5306	ENERGY EFFICIENCY IN ENVIRONMENTAL POLLUTION AND CONTROL	Е	3	0	0	3	6
	CEV5281	BIOLOGICAL TREATMENT OF INDUSTRIAL WASTEWATERS	Е	3	0	0	3	6	CEV5308	ENVİRONMENTAL TOXICOLOGY	Е	3	0	0	3	6
	CEV5303	COMPOSTING TECHNOLOGY	Е	3	0	0	3	6	CEV5310	HYDROLOGY OF RIVER CATCHMENTS AND FLOOD-DROUGHT MODELLING	Е	3	0	0	3	6
	CEV5305	PRODUCTION OF BIOFUELS	Е	3	0	0	3	6	CEV5312	ADVANCED PHYSİCO-CHEMİCAL TREATMENT PROCESSES	Е	3	0	0	3	6
	CEV5307	SEDIMENT POLLUTION AND TRANSPORT	Е	3	0	0	3	6	CEV5314	WASTEWATER SLUDGE AND SOIL ANALYSIS	Е	2	0	2	3	6
	CEV5309	PRINCIPLES OF ENVIRONMENTAL POLLUTION	Е	3	0	0	3	6	CEV5316	DEWATERING OF TREATMENT SLUDGES	Е	3	0	0	3	6

	CEV5311	SOIL POLLUTION AND CONTROL	Е	3	0 0	3	6	CEV5318	ORGANIC MICROPOLLUTANTS AND CONTROL	Е	3	0	0	3	6
			1	otal (Credits	12	30				Total	Cred	its	9	30
- V		III. TERM / FALL							IV. TERM / SPRING						
Sis	CEV5183	ADVANCED TOPICS IN MS THESIS III	C	4	0 0	0	5	CEV5184	ADVANCED TOPICS IN MS THESIS IV	C	4	0	0	0	5
TA THE	CEV5193	MA THESIS III	C	0	1 0	0	25	CEV5194	MA THESIS IV	C	1	0	0	0	25
S			1	otal (Credits	0	30				Total	Cred	its	0	30
TOTAL CREDITS: 21 - TOTAL ECTS:120															

Not: The student is expected to take a total of credited (......)selective courses every academic term.

The student have the option of choosing one selective course from another department with the endorsement of the supervisor.

DEPARTMENT OF ENVIRONMENTAL ENGINEERING

Code /6191 /6001 /6301 /6181 /6101 /6123 /6221	Course Title PHD THESIS I RESEARCH METHODS ADVANCED ENVIRONMENTAL ENGINEERING CHEMISTRY II ADVANCED TOPICS IN PHD THESIS I WATER CHEMISTRY LAKE WATER QUALITY MODELLING HAZARDOUS WASTES	Type C C C E E E E	T 0 2 3 4 2 2	0 0 0 0	0	0 2 3 0	1 4 5	Code CEV6191 CEV6172	Course Title PHD THESIS II SEMINAR	Type C	T	U 1 2	0	Credit 0	ECTS
76001 76301 76181 76101 76123	RESEARCH METHODS ADVANCED ENVIRONMENTAL ENGINEERING CHEMISTRY II ADVANCED TOPICS IN PHD THESIS I WATER CHEMISTRY LAKE WATER QUALITY MODELLING HAZARDOUS WASTES	C C E E E	3 4 2	0 0 0 0	0 0 0	2	<u> </u>								1
/6301 /6181 /6101 /6123 /6221	ADVANCED ENVIRONMENTAL ENGINEERING CHEMISTRY II ADVANCED TOPICS IN PHD THESIS I WATER CHEMISTRY LAKE WATER QUALITY MODELLING HAZARDOUS WASTES	C E E E	3 4 2	0 0 0	0	3	<u> </u>	CEV6172	CEMINAD		_	2	0		
/6181 /6101 /6123 /6221	CHEMISTRY II ADVANCED TOPICS IN PHD THESIS I WATER CHEMISTRY LAKE WATER QUALITY MODELLING HAZARDOUS WASTES	E E E	4 2	0	0		5		SEMINAK	C	0		U	0	4
76101 76123 76221	WATER CHEMISTRY LAKE WATER QUALITY MODELLING HAZARDOUS WASTES	E E	2	0		0									
76123 76221	LAKE WATER QUALITY MODELLING HAZARDOUS WASTES	Е	† -†		2		5	CEV6182	ADVANCED TOPICS IN PHD THESIS II	Е	4	0	0	0	5
/6221	HAZARDOUS WASTES	_	2	_		3	5	CEV6124	SURFACE WATER QUALITY MODELLING	Е	2	2	0	3	5
		Б		2	0	3	5	CEV6208	DISPOSAL TECHNÌQUES OF DOMESTIC AND INDUSTRIAL SLUDGE	Е	2	2	0	3	5
/6225	···	E	2	2	0	3	5	CEV6224	TREATMENT AND DISPOSAL OF INDUSTRIAL WASTES	Е	2	2	0	3	5
	STABILIZATION AND SOLIDIFICATION OF HAZARDOUS WASTES	Е	3	0	0	3	5	CEV6242	AIR POLLUTION METEOROLOGY	Е	3	0	0	3	5
/6227	COMPUTER SUPPORTED MODEL APPROACHES IN ACTIVATED SLUDGE SYSTEMS	Е	2	2	0	3	5	CEV6244	USE OF RESPIROMETRIC METHOD IN DESIGN AND OPERATION OF ACTIVATED SLUDGE PROCESS	Е	2	0	2	3	5
/6229	BIOLOGICAL TREATMENT OF TOXIC ORGANIC COMPOUNDS	Е	3	0	0	3	5	CEV6246	OPERATION OF TREATMENT PLANTS	Е	2	0	2	3	5
/6231	ADVANCED TREATMENT TECHNIQUES	Е	2	2	0	3	5	CEV6248	BIOKINETICS TECHNIQUES OF WASTEWATER TREATMENT PLANTS	Е	3	0	0	3	5
/6233	LAND APPLICATION OF WASTEWATER SLUDGES	Е	3	0	0	3	5	CEV6250	WATER AND WASTEWATER TREATMENT WITH ADVANCED OXIDATION AND MEMBRANE TECHNOLOGIES	Е	3	0	0	3	5
76303	BIOMASS ENERGY TECHNOLOGIES	Е	3	0	0	3	5	CEV6252	WASTE AND WASTEWATER TREATMENT FOR BIOTECHNOLOGY PROCESSES	Е	3	0	0	3	5
								CEV6254	MODELLING OF ACTIVATED SLUDGE SYSTEMS	Е	3	0	0	3	5
		To	edi	14	30										
	III. TERM / FALL							IV. TERM / SPRING							
76183	ADVANCED TOPICS IN PHD THESIS	C				0	5	CEV6184	ADVANCED TOPICS IN PHD THESIS IV	C	4	0	0	0	5
/6193	PHD THESIS III		0		0	0	15	CEV6194	PHD THESIS IV	C	0	1	0	0	25
T6177	PHD PROFICIENCY EXAMINATION III	C	0	0	0	0	10								<u> </u>
		To	plam	ı Kr	edi	0	30			Te	oplan	n Kr	edi	0	30
	V. TERM / FALL								VI. TERM / SPRING						
/6185	ADVANCED TOPICS IN PHD THESIS V	C	4	0	0	0	5	CEV6186	ADVANCED TOPICS IN PHD THESIS VI	С	4	0	0	0	5
/6195	PHD THESIS V	C	0	1	0	0	25	CEV6196	PHD THESIS VI	C	0	1	0	0	25
		To	oplan	Kr	edi	0	30			T	oplan	n Kr	edi	0	30
VII. TERM / FALL									VIII. TERM / SPRING						
/6187	ADVANCED TOPICS IN PHD THESIS VII					0	5	CEV6188	ADVANCED TOPICS IN PHD THESIS VIII	C	4	-		0	5
/6197	PHD THESIS VII	C	0	1	0	0	25	CEV6198	PHD THESIS VIII	C	0	1	0	0	25
		To	plam	ı Kr		0	30			T	oplar	n Kı	redi	0	30
70 70 70 70 70 70 70 70 70 70 70 70 70 7	6229 6231 6233 6303 6183 6193 6177 6185 6195	BIOLOGICAL TREATMENT OF TOXIC ORGANIC COMPOUNDS 6231 ADVANCED TREATMENT TECHNIQUES 6233 LAND APPLICATION OF WASTEWATER SLUDGES 6303 BIOMASS ENERGY TECHNOLOGIES III. TERM / FALL 6183 ADVANCED TOPICS IN PHD THESIS 6193 PHD THESIS III 6177 PHD PROFICIENCY EXAMINATION III V. TERM / FALL 6185 ADVANCED TOPICS IN PHD THESIS V PHD THESIS V VII. TERM / FALL 6187 ADVANCED TOPICS IN PHD THESIS VIII	IN ACTIVATED SLUDGE SYSTEMS	IN ACTIVATED SLUDGE SYSTEMS	IN ACTIVATED SLUDGE SYSTEMS	IN ACTIVATED SLUDGE SYSTEMS	IN ACTIVATED SLUDGE SYSTEMS	STACTIVATED SLUDGE SYSTEMS	IN ACTIVATED SLUDGE SYSTEMS	Compounds Comp	R ACTIVATED SLUDGE SYSTEMS	A ACTIVATED SLUDGE SYSTEMS	SACTIVATED SLUDGE SYSTEMS	SECTION OF ACTIVATED SLUDGE PROCESS	SACTIVATED SLUDGE SYSTEMS

Not: The student is expected to take a total of credited (......)selective courses every academic term.

The student have the option of choosing one selective course from another department with the endorsement of the supervisor.



 DEPARTMENT OF
 ENVIRONMENTAL ENGINEERING

 DEPARTMENT / PROGRAM
 / Master's Degree Program (Without Thesis)

		I. TERM / FALL				II. TERM / SPRING											
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L Cred	t ECTS		
	CEV5301	ENVIRONMENTAL MOVEMENT OF CHEMICALS	С	3	0	0	3	6	CEV5302	STATISTICS FOR ENVIRONMENTAL ENGINEERS	C	3	0	0 3	6		
GE									CEV5303	ADVANCED ENVIRONMENTAL ENGINEERING CHEMISTRY I	C	3	0	0 3	6		
STA		ELECTIVE COURSE	Е				3	6		ELECTIVE COURSE	Е			3	6		
		ELECTIVE COURSE	Е				3	6		ELECTIVE COURSE	Е			3	6		
COURSE		ELECTIVE COURSE	Е				3	6		ELECTIVE COURSE	Е			3	6		
ప		ELECTIVE COURSE	Е				3	6									
			dits	30	Total Credits 15 30												
	III. TERM / FALL								IV. TERM / SPRING (*)								
THESIS	CEV5001	PROJECT COURSE	С	0	2	0	0	24									
THI		ELECTIVE COURSE	Е				3	6									
AGE																	
STA																	
			7	Γotal	Cred	dits	3	30			1	Γotal	Cred	dits			
TOTAL CREDITS, 22 TOTAL FOTS, 00																	

TOTAL CREDITS: 33 - TOTAL ECTS: 90

Not: The student is expected to take a total of credited (......) elective courses every academic term. The student have the option of choosing one selective course from another department with the endorsement of the supervisor.

(*)Studentswhocouldn'tcompletethe program in 3. termorwhobeganthe program in springterm, maytake CEV 5000 projectcourseand 2. termelectivecourses in 4. term

DE VT OF
DEPARTMENT / PROGRAM ENVIRONMENTAL ENGINEERING

/ Master's Degree Program (WithoutThesis)

	AKTIVIENT	I.III TERM / FALL		II. TERM / SPRING												
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS
	CEV5121	ENVIRONMENTAL MANAGEMENT	Е	3	0	0	3	6	CEV5102	ENVIRONMENTAL INSTRUMENTAL ANALYSIS	Е	2	0	2	3	6
	CEV5243	INDUSTRIAL AIR POLLUTION	Е	3	0	0	3	6	CEV5122	WATER QUALITY MANAGEMENT	Е	2	2	0	3	6
										RECYCLE AND REUSE TECHNIQUES ON INDUSTRIAL	_				_	
	CEV5247	BASICS OF ENVIRONMENTAL TECHNOLOGY	Е	3	0	0	3	6	CEV5148	WASTEWATERS	Е	3	0	0	3	6
	CEV5249	DESIGN CRITERIA FOR WASTEWATER TREATMENT PLANTS	Е	2	2	0	3	6	CEV5222	INDUSTRIAL WASTE MANAGEMENT	Е	3	0	0	3	6
	CEV 5249 CEV 5251	STACK GAS MEASUREMENT AND ANALYSIS	E	2		2	3	6	CEV5222 CEV5226	WASTEWATER ENGINEERING	E E	انت	2	0	3	6
	CE V 3231	MEASUREMENT AND MONITORING OF AMBIENT	1 12	1 -	U		3	0	CE V 3220	ION EXCHANGE AND ADSORPTION TECHNOLOGY	E			0	3	<u> </u>
	CEV5253	AIR	Е	2	0	2	3	6	CEV5228	IN WASTEWATER TREATMENT	Е	2	2	0	3	6
	CE 13233	WETLAND SYSTEMS IN WASTEWATER	<u> </u>	<u> ~ </u>	Ü	I	<u> </u>	<u> </u>	CE 13220							
	CEV5255	TREATMENT	Е	3	0	0	3	6	CEV5230	THE DESIGN OF LANDFILL AREAS	Е	2	2	0	3	6
	CEV5257	ENVIRONMENTAL SAFETY FOR INDUSTRIES	Е	3	0	0	3	6	CEV5232	AIR POLLUTION ENGINEERING	Е	3	0	0	3	6
		BASIC PROCESSES IN ENVIRONMENTAL						\$=====================================								
	CEV5259	ENGINEERING I	Е	3	0	0	3	6	CEV5234	ATMOSPHERIC TRANSPORT AND DEPOSITION	Е	2	0	2	3	6
				Ī		ĺ				INSTRUMENTATION AND AUTOMATION OF						
	CEV5261	ENVIRONMENTAL BIOTECHNOLOGY	Е	3	0	0	3	6	CEV5236	WATER AND WASTEWATER TREATMENT PLANTS	Е	2	2	0	3	6
										BIOINDICATOR ORGANISMS IN DETERMINATION						ı
GE	CEV5263	RENEWABLE ENERGY AND ENVIRONMENT	Е	3	0	0	3	6	CEV5238	OF WATER QUALITY	Е	3	0	0	3	6
STAGE			_					_		BASIC PROCESSES IN ENVIRONMENTAL	_	_			_	_
	CEV5265	CLEANER PRODUCTION PRINCIPLES	Е	3	0	0	3	6	CEV5240	ENGINEERING II	Е	3	0	0	3	6
COURSE	CEV5260	ANIAEDODIC TREATMENT OF WASTES	Е	2	_		3		CEVE244	MICROBIAL TECHNIQUES IN ENVIRONMENTAL	Е	3	0	0	2	6
	CEV5269	ANAEROBIC TREATMENT OF WASTES	E	3	0	0	3	6	CEV5244	ENGINEERING	E	3	U	U	3	6
ರ	CEV5271	GREENHOUSE GASES CALCULATION METHODS AND CLIMATE CHANGE	Е	2	2	0	3	6	CEV5246	ADVANCED ATMOSPHERIC CHEMISTRY	Е	3	0	0	3	6
	CEV32/1	NANOTECHNOLOGY IN ENVIRONMENTAL	E			<u> </u>		0	CE v 3240	ENVIRONMENTAL POLLUTION AND PUBLIC	Ľ	3	U	U	3	<u> </u>
	CEV5273	ENGINEERING	Е	3	0	0	3	6	CEV5248	HEALTH	Е	3	0	0	3	6
		INTEGRATED WASTE MANAGEMENT			Ŭ		 					٦	<u>.</u>			
	CEV5275	TECHNOLOGIES	Е	3	0	0	3	6	CEV5250	ON-SITE WASTEWATER TREATMENT	Е	3	0	0	3	6
	CEV5077	NACTE DICROCAL AND LEGAL EDAMEWORK		İ			2		CEV5206	ENERGY EFFICIENCY IN ENVIRONMENTAL	Е	3	0	0	3	
	CEV5277	WASTE DISPOSAL AND LEGAL FRAMEWORK	Е	3	0	0	3	6	CEV5306	POLLUTION AND CONTROL	E	3	U	U	3	6
	CEV5279	FORMATION AND TREATMENT OF LANDFILL		ĺ	Ī	ĺ			CEV5308	ENVİRONMENTAL TOXICOLOGY	Е	3	0	0	3	6
	CEV3219	LEACHATE	Е	3	0	0	3	6	CE V 3308	ENVIRONMENTAL TOAICOLOGT	E	3	U	U	3	
	CEV5281	BIOLOGICAL TREATMENT OF INDUSTRIAL							CEV5310	HYDROLOGY OF RIVER CATCHMENTS AND	Е	3	0	0	3	6
	0270201	WASTEWATERS	Е	3	0	0	3	6		FLOOD-DROUGHT MODELLING						
	CEV5303	COMPOSTING TECHNOLOGY	Е	3	0	0	3	6	CEV5312	ADVANCED PHYSICO-CHEMICAL TREATMENT	Е	3	0	0	3	6
	GEVIEGO E			<u> </u>	_				GTT 1504 4	PROCESSES						
	CEV5305	PRODUCTION OF BIOFUELS	Е	3		0	3	6	CEV5314	WASTEWATER SLUDGE AND SOIL ANALYSIS	Е	2	0	2	3	6
	CEV5307	SEDIMENT POLLUTION AND TRANSPORT	E	3		0	3	6	CEV5316	DEWATERING OF TREATMENT SLUDGES	E	3	0	0	3	6
	CEV5309	PRINCIPLES OF ENVIRONMENTAL POLLUTION	E		0	•	3	6	CEV5318	ORGANIC MICROPOLLUTANTS AND CONTROL	Е	3	0	0	3	6
	CEV5311	SOIL POLLUTIONAND CONTROL	Е	3	0	0	3	6	-			Ш		_		
	Total Credits 12 ¹ / 24										1	otal	Cre	lits	9	18
3 6														!		
					1	U1/	AL CREL	<u>л15: 33 -</u>	TOTAL ECTS	: 90						

Not: The student is expected to take a total of credited (......)elective courses every academic term. The student have the option of choosing one selective course from another department with the endorsement of the supervisor.