

ADIYAMAN UNIVERSITY ENGINEERING FACULTY DEPARTMENT OF ENVIRONMENTAL ENGINEERING

DESCRIPTION BOOKLET

2006

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ENVIRONMENTAL ENGINEERING DEPARTMENT INTRODUCTION BOOKLET

Department of Environmental Engineering

The Adyaman University Environmental Engineering Department was established in 2011 and started admitting students for the first time in the 2012-2013 academic year.

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Head of Department

Prof. Dr. Yavuz DEMİRCİ

Academic Staff

VIVER Prof. Dr. Özgür ÖZDEMİR Prof. Dr. Yavuz DEMİRCİ Prof. Dr. Harun TÜRKMENLER Assoc. Prof. Dr. Fatih TUFANER Assoc. Prof. Dr. Aysel ALKAN UÇKUN Assist. Prof. Dr. Turgay DERE Assist. Prof. Dr. Kâmil B. VARINCA Assist. Prof. Dr. Müslüm ALTUN Rsc. Asst. Dr. Şeyma AKKURT

Department Secretary

Kadriye GÜNDÜZ

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Mission & Vision

Mission

To raise people with the skills and equipment required to recognize and solve environmental issues in the 21st century with engineering methods and to perform quality research in the field of environmental engineering.

Vision

To be a department that plays an active role in the sustainable development of our country, renews itself in line with the needs for the solution of universal and national environmental problems, and develops and implements contemporary education and research strategies in this regard.

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Importance of Departments of Environmental Engineering

world, water, wastewater, industrial In the wastewater treatment, solid waste management, and air pollution control have gained importance, as well as water supply, wastewater collection, and disposal. With the rapid increase in the population of Turkey, the increase in the rate of migration to big cities has also increased the need for environmental engineers. For this reason, the need for engineers who know, understand, interpret environmental problems and shows the importance of the Environmental Engineering Department.

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Why Department of Environmental Engineering?

Environmental engineering is an interdisciplinary branch of engineering that finds solutions to environmental problems. Environmental engineers develop engineering approaches to prevent pollution or clean up contaminated areas to protect the natural environment (air, water, and soil) and human health. It develops technologies for the best use of natural resources for a sustainable environment.

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Job Oportunities for Our Graduate Students

Our graduates can work in different fields, such as industrial facilities, public institutions, public health institutions, research and development centers and laboratories, as well as consultancy firms. Working areas of environmental engineering include water and wastewater treatment, air pollution control, solid waste disposal, soil pollution, and noise pollution. Below are some organizations where our graduates can work.

- The Ministry of Environment, Forestry, and Water Affairs and its affiliates
- The Ministry of Environment and Urbanization and its affiliates
- The Ministry of Health and its affiliates
- The State Planning Organization
- The State Water Works
- Iller Bank
- Laboratories for Public Health

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- Universities
- Local Authorities
- Treatment companies
- Industry associations
- Environmental Consulting Firms
- Engineering and Project Firms



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Highest and Lowest Placement Scores According to

Central Placement

Our department admits students with LYS (MF-4 score type) and DGS exams. However, our department has been closed to student admissions since the 2018– 2019 academic year. The Master's Program was opened in our department in the 2022–2023 Fall Semester, and postgraduate education has started to be offered again.

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Course Catalogue

	1. Class				
First Semeste	r				
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La
CEV101	Introduction to Environmental Engineering	4	2+1/3	С	Т
CEV103	Mathematics 1	4	2+2/3	С	Т
CEV105	Physics 1	4	2+2/3	С	Т
CEV107	Chemistry 1	4	2+2/3	С	Т
CEV109	Technical Drawing and Descriptive Geometry	4	2+2/3	С	Т
TD101	Turkish I	2 •	2+0/2	C	Т
YD101	English I	3	2+0/2	C	Т
AİİT101	Ataturk's Principles and Turkish Revolution 1	2	2+0/2	C	Т
CEV1	University Elective Course 1	3	2+0/2	E	Т
-	Fall Semester Total:	30	18+9/ 23		
Second Seme	ster			· · · · ·	
Course Code	Course Name	ECTS	WCH	C/E	La
		2010	T+A/C	0, -	La
CEV102	Environmental Microbiology 1	4	2+2/3	С	Т
CEV104	Mathematics 2	4	2+2/3	С	Т
CEV106 🥏	Physics 2	4	2+2/3	С	Т
CEV108	Chemistry 2	4	2+2/3	С	Т
TD102	Turkish II	2	2+0/2	C	Т
YD102	English II	3	2+0/2	C	T
AİİT102	Ataturk's Principles and Turkish Revolution II	2	2+0/2	C	• T
ENF102	Introduction to Information Technologies and Applications	4	2+0/2	C	T
CEV1	University Elective Course 2	3	2+0/2	E	Т
	Spring Semester Total :	30	18+8/ 22		
	YEAR TOTAL ::	60			
	2. Class				
Third Semest	er				
		FCTS	WCH	C/F	la
	er Course Name	ECTS	WCH T+A/C	C/E	La.
Course Code		ECTS 4		C/E C	La. T
Course Code CEV201	Course Name		T+A/C		
Course Code CEV201 CEV203	Course Name Environmental Chemistry 1	4	T+A/C 2+2/3	C	
Course Code CEV201 CEV203 CEV219	Course Name Environmental Chemistry 1 Environmental Microbiology 2	4 4	T+A/C 2+2/3 2+2/3	C C	T T
Course Code CEV201 CEV203 CEV219 CEV207	Course Name Environmental Chemistry 1 Environmental Microbiology 2 Materials in Environmental Engineering	4 4 3	T+A/C 2+2/3 2+2/3 2+0/2	C C C	T T T
Course Code CEV201 CEV203 CEV219 CEV207 CEV209	Course Name Environmental Chemistry 1 Environmental Microbiology 2 Materials in Environmental Engineering Fluid Mechanics and Hydraulics	4 4 3 4	T+A/C 2+2/3 2+2/3 2+0/2 2+2/3	C C C C C	T T T T
Course Code CEV201 CEV203 CEV219 CEV207 CEV209 CEV209 CEV215	Course NameEnvironmental Chemistry 1Environmental Microbiology 2Materials in Environmental EngineeringFluid Mechanics and HydraulicsComputer Programming and Design	4 4 3 4 3	T+A/C 2+2/3 2+2/3 2+0/2 2+2/3 2+2/3	C C C C C C	T T T T T
Course Code CEV201 CEV203 CEV219 CEV207 CEV209 CEV215 CEV2	Course Name Environmental Chemistry 1 Environmental Microbiology 2 Materials in Environmental Engineering Fluid Mechanics and Hydraulics Computer Programming and Design Professional English 1	4 4 3 4 3 3 3	T+A/C 2+2/3 2+2/3 2+0/2 2+2/3 2+2/3 2+2/3 2+2/3 2+2/2	C C C C C C C C	T T T T T T
Course Code CEV201 CEV203 CEV219 CEV207 CEV209 CEV215 CEV21. CEV2	Course Name Environmental Chemistry 1 Environmental Microbiology 2 Materials in Environmental Engineering Fluid Mechanics and Hydraulics Computer Programming and Design Professional English 1 University Elective Course 3	4 4 3 4 3 3 3 3	T+A/C 2+2/3 2+2/3 2+0/2 2+2/3 2+2/3 2+2/3 2+2/3 2+0/2 2+0/2	C C C C C C C C E	T T T T T T
Course Code CEV201 CEV203 CEV219 CEV207 CEV209 CEV215 CEV21. CEV2	Course NameEnvironmental Chemistry 1Environmental Microbiology 2Materials in Environmental EngineeringFluid Mechanics and HydraulicsComputer Programming and DesignProfessional English 1University Elective Course 3Faculty Elective Course 1	4 4 3 4 3 3 3 3 3 3	T+A/C 2+2/3 2+2/3 2+0/2 2+2/3 2+2/3 2+2/3 2+0/2 2+0/2 2+0/2 2+2/3	C C C C C C C C E E	T T T T T T T
Course Code CEV201 CEV203 CEV219 CEV207 CEV209 CEV215 CEV2 CEV2 CEV2	Course Name Environmental Chemistry 1 Environmental Microbiology 2 Materials in Environmental Engineering Fluid Mechanics and Hydraulics Computer Programming and Design Professional English 1 University Elective Course 3 Faculty Elective Course 1 Vocational Elective Course 1 Fall Semester Total:	4 4 3 4 3 3 3 3 3 3 3 3	T+A/C 2+2/3 2+2/3 2+0/2 2+2/3 2+2/3 2+0/2 2+0/2 2+0/2 2+0/2 2+0/2 2+0/2 2+0/2 2+0/2 2+0/2 2+0/2 2+0/2 2+0/2 2+0/2 18+10	C C C C C C C C E E	T T T T T T T
Course Code CEV201 CEV203 CEV219 CEV207 CEV209 CEV215 CEV2 CEV2 CEV2 CEV2	Course Name Environmental Chemistry 1 Environmental Microbiology 2 Materials in Environmental Engineering Fluid Mechanics and Hydraulics Computer Programming and Design Professional English 1 University Elective Course 3 Faculty Elective Course 1 Vocational Elective Course 1 Fall Semester Total:	4 4 3 4 3 3 3 3 3 3 3 3	T+A/C 2+2/3 2+2/3 2+0/2 2+2/3 2+2/3 2+0/2 2+0/2 2+0/2 2+2/3 2+0/2 18+10 /23	C C C C C C C C E E	T T T T T T T
Course Code CEV201 CEV203 CEV219 CEV207 CEV209 CEV215 CEV2 CEV2 CEV2 CEV2 Fourth Semes Course Code	Course Name Environmental Chemistry 1 Environmental Microbiology 2 Materials in Environmental Engineering Fluid Mechanics and Hydraulics Computer Programming and Design Professional English 1 University Elective Course 3 Faculty Elective Course 1 Vocational Elective Course 1 Fall Semester Total: ster Course Name	4 4 3 4 3 3 3 3 3 3 3 3 0 ECTS	T+A/C 2+2/3 2+2/3 2+0/2 2+2/3 2+2/3 2+0/2 2+0/2 2+0/2 2+0/2 18+10 /23	C C C C C C C E E E E E C/E	T T T T T T T
Third Semest Course Code CEV201 CEV203 CEV219 CEV207 CEV215 CEV2 COURSE Code CEV202 CEV204	Course Name Environmental Chemistry 1 Environmental Microbiology 2 Materials in Environmental Engineering Fluid Mechanics and Hydraulics Computer Programming and Design Professional English 1 University Elective Course 3 Faculty Elective Course 1 Vocational Elective Course 1 Fall Semester Total:	4 4 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	T+A/C 2+2/3 2+2/3 2+0/2 2+2/3 2+2/3 2+0/2 2+0/2 2+0/2 2+2/3 2+0/2 18+10 /23	C C C C C C C E E E	T T T T T T T La.

CEV208	Physical Unit Operations in Environmental Engineering	4	2+2/3	С	Т
CEV216	Professional English 2	3	2+0/2	С	Т
CEV210	Computer Applications in Environmental Engineering	3	2+2/3	С	Т
CEV2	University Elective Course 4	3	2+0/2	E	Т
CEV2	Faculty Elective Course 2	3	2+2/3	E	Т
CEV2	Vocational Elective Course 2	3	2+0/2	Е	Т
	Spring Semester Total:	30	18+10 / 23		
	YEAR TOTAL:	60			
	3. Class			•	
Fifth Semeste	r - IIX				
Course Code	Course Name	ECTS	WCH / T+A/C	C/E	La.
CEV301	Chemical Unit Operations in Environmental Engineering	4	2+2/3	С	Т
CEV303	Solid Waste Management	3	2+1/3	С	Т
CEV305	Water Supply	4	2+2/3	С	Т
CEV307	Water Quality and Management	3	2+1/3	C	Т
CEV311	Air Pollution	3	2+1/3	C	T
CEV343	Reuse of Wastes	3	2+0/2	C	Т
CEV3	University Elective Course 5	4	2+2/3	Ē	Т
CEV3	Faculty Elective Course 3	3	2+0/2	E	T
CEV3.	Vocational Elective Course 3	3	2+0/2	E	T
	Fall Semester Total:	30	18+9/ 23		
Sixth Semest				U)
Course Code	Course Name	ECT S	WCH T+A/C	C/E	_ • La.
CEV302	Biological Unit Operations in Environmental	4	2+1/3	С	Т
02,002	Engineering				
CEV304	Engineering Hazardous Waste Management	3	2+1/3	С	Т
		3	2+1/3 2+2/3	C C	T T
CEV304	Hazardous Waste Management				
CEV304 CEV306	Hazardous Waste Management Sewerage	3	2+2/3	С	Т
CEV304 CEV306 CEV308	Hazardous Waste Management Sewerage Water Treatment and Plant Design	3 4	2+2/3 2+2/3	C C	T T
CEV304 CEV306 CEV308 CEV312	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control	3 4 3	2+2/3 2+2/3 2+1/3	C C C	T T T
CEV304 CEV306 CEV308 CEV312 CEV344	Hazardous Waste ManagementSewerageWater Treatment and Plant DesignAir Pollution ControlIndustrial Microbiology	3 4 3 3	2+2/3 2+2/3 2+1/3 2+0/1	C C C C	T T T T
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3	Hazardous Waste ManagementSewerageWater Treatment and Plant DesignAir Pollution ControlIndustrial MicrobiologyUniversity Elective Course 6	3 4 3 3 4	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2	C C C C E	T T T T
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3	Hazardous Waste ManagementSewerageWater Treatment and Plant DesignAir Pollution ControlIndustrial MicrobiologyUniversity Elective Course 6Faculty Elective Course 4Vocational Elective Course 4	3 4 3 3 4 3 3 3	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2	C C C E E	T T T T T
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3	Hazardous Waste ManagementSewerageWater Treatment and Plant DesignAir Pollution ControlIndustrial MicrobiologyUniversity Elective Course 6Faculty Elective Course 4	3 4 3 3 4 3	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2	C C C E E	T T T T T
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Spring Semester Total: YEAR TOTAL: 4. Class	3 4 3 3 4 3 3 3 30	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2	C C C E E	T T T T T
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Spring Semester Total: YEAR TOTAL: 4. Class	3 4 3 4 3 3 3 30 60	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22	C C C E E E	
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Spring Semester Total: YEAR TOTAL: 4. Class	3 4 3 3 4 3 3 3 30	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22 WCH	C C C E E	
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Spring Semester Total: YEAR TOTAL: 4. Class	3 4 3 4 3 3 3 30 60	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22	C C C E E E	
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3 CEV3 CEV3	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Spring Semester Total: YEAR TOTAL: 4. Class ester Course Name	3 4 3 4 3 3 3 30 60 ECTS	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22 WCH T+A/C	C C C E E E C/E	T T T T T T La.
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3 CEV3 CEV3 CEV401 CEV401 CEV403	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Spring Semester Total: YEAR TOTAL: 4. Class ester Course Name Industrial Pollution Control Wastewater Treatment and Plant Design	3 4 3 4 3 3 3 3 60 ECTS 3	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22 WCH T+A/C 2+1/3	C C C E E E C/E C	T T T T T T La.
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3 CEV3 CEV3 CEV401 CEV401 CEV403 CEV441	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Vocational Elective Course 4 <u>Spring Semester Total:</u> YEAR TOTAL: 4. Class ester Course Name Industrial Pollution Control Wastewater Treatment and Plant Design Environmental Engineering Practices	3 4 3 4 3 3 3 3 60 ECTS 3 4	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22 WCH T+A/C 2+1/3 2+2/3	C C C E E E C/E C/E C	T T T T T T La.
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3 CEV3 CEV3 CEV401 CEV401 CEV403 CEV441 CEV447	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Vocational Elective Course 4 A Class ester Course Name Industrial Pollution Control Wastewater Treatment and Plant Design Environmental Engineering Practices Senior Design Project	3 4 3 4 3 3 4 3 3 60 ECTS 3 4 2 3	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22 WCH T+A/C 2+1/3 2+2/3 0+2/1 0+2/1	C C C E E E C C C C C C C	T T T T T T T La.
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3 CEV3 CEV3 CEV401 CEV401 CEV403 CEV441 CEV447 CEV44.	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Vocational Elective Course 4 Spring Semester Total: YEAR TOTAL: 4. Class ester Course Name Industrial Pollution Control Wastewater Treatment and Plant Design Environmental Engineering Practices Senior Design Project Faculty Elective Course 5	3 4 3 4 3 3 3 3 0 60 60 ECTS 3 4 2 3 4 2 3 3 3	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22 WCH T+A/C 2+1/3 2+2/3 0+2/1 0+2/1 2+0/2	C C C E E E C C C C C C C C C E	T T T T T T T La. T T T
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3 CEV3 CEV3 CEV4.1 CEV401 CEV403 CEV441 CEV447 CEV4 CEV4	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Spring Semester Total: YEAR TOTAL: A. Class ester Course Name Industrial Pollution Control Wastewater Treatment and Plant Design Environmental Engineering Practices Senior Design Project Faculty Elective Course 5	3 4 3 4 3 3 3 3 0 60 60 ECTS 3 4 2 3 4 2 3 3 3 3 3	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22 WCH T+A/C 2+1/3 2+2/3 0+2/1 0+2/1 2+0/2 2+0/2	C C C E E E C C C C C C C C E E	T T T T T T T T T T
CEV304 CEV306 CEV308 CEV312 CEV344 CEV3 CEV3 CEV3 CEV3 CEV3 CEV401 CEV401 CEV403 CEV441 CEV447 CEV447	Hazardous Waste Management Sewerage Water Treatment and Plant Design Air Pollution Control Industrial Microbiology University Elective Course 6 Faculty Elective Course 4 Vocational Elective Course 4 Vocational Elective Course 4 Spring Semester Total: YEAR TOTAL: 4. Class ester Course Name Industrial Pollution Control Wastewater Treatment and Plant Design Environmental Engineering Practices Senior Design Project Faculty Elective Course 5	3 4 3 4 3 3 3 3 0 60 60 ECTS 3 4 2 3 4 2 3 3 3	2+2/3 2+2/3 2+1/3 2+0/1 2+0/2 2+0/2 2+0/2 18+7/ 22 WCH T+A/C 2+1/3 2+2/3 0+2/1 0+2/1 2+0/2	C C C E E E C C C C C C C C C E	T T T T T T T La. T T T

CEV4	Vocational Elective Course 9	3	2+0/2	E	Т
OL V4	Fall Semester Total::	30	16+7/ 20		•
Eight Semest		50	10+1/20		
Course Code	Course Name	ECTS	WCH	C/E	La.
	Course Name	ECIS	T+A/C	C/E	La.
CEV402	Engineering Adaptation	15	0+2/0	С	Т
MUHSEC 8	Engineering Elective Course	15	2+0/0	E	T
	(3 Courses Will Be Elected)	10	210/0		
Fotol:	Spring Semester	30	6+2/0		
Fotal:	YEAR TOTAL:	60			
		I I			
	ECTS TOTAL ::	240			
*For e	lective courses determined by the Rectorate T+A/C	→ 2+0/2			
	Elective Cources				
	N,	,	\overline{C}		
	1. Class		T	~	
First Semeste	er			· .	
	University Elective Co				
Course Code	Course Name	ECTS	WCH	C/E	La.
CEV111	History of Science	3	2+0/2	E	Т
CEV113	First Aid	3	2+0/2	E	Т
5				1.	
Second Seme)
	University Elective Co				
CEV110	Critical Analytical Thinking	3	2+0/2	E	- • T
CEV112	Communication	3	2+0/2	E	Т
	2. Class				
Third Semest					
minu Semesu	University Elective Co	ourse 3			
Course Code	Course Name	ECTS	WCH	C/E	La.
CEV221	Sign Language	3	2+0/2	E	 T
	Faculty Elective Cou				•
CEV223	Soil Mechanics and Basic Construction	3	2+2/3	E	Т
CEV225	Differential Equations	3	2+2/3	E	T
521220	Vocational Elective Co		212/0	-	•
CEV211	Numerical Analysis	3	2+0/2	E	Т
CEV217	Reaction Kinetics	3	2+0/2	E	T
52 72 17		, , , , , , , , , , , , , , , , , , ,	210/2	L	
Fourth Semes	ster 400	0			
	University Elective Co			-	
CEV222	Scientific Research Methods	3	2+0/2	E	Т
	Faculty Elective Cou	urse 2			
CEV224	Surveying Techniques	3	2+2/3	E	Т
	Vocational Elective Co	ourse 2			
CEV212	Statistics for Engineers	3	2+0/2	E	Т
CEV218	Thermodynamics	3	2+0/2	E	Т
Fifth Semeste	3. Class				
Fifth Semeste		ourse 5			

Course Code	Course Name	ECTS	WCH	C/E	La.
CEV 337	Entrepreneurship	4	2+2/3	E	Т
	Faculty Elective Co				
CEV339	Quality Management Systems	3	2+0/2	E	Т
CEV341	Occupational Health and Safety	3	2+0/2	E	Т
	Vocational Elective C		1		
CEV313	Environmental Laws	3	2+0/2	E	Т
CEV315	Environmental Sanitation	3	2+0/2	E	Т
CEV317	Soil Pollution and Control	3	2+0/2	E	Т
CEV319	Hydrology	3	2+0/2	E	Т
CEV323	Design in Environmental Engineering	3	2+0/2	E	Т
CEV327	Ecotoxicology	3	2+0/2	E	Т
CEV329	Noise Pollution and Control	3	2+0/2	E	Т
CEV331	Environmental Biotechnology	3	2+0/2	E	Т
CEV333	Waste Disposal Methods	3	2+0/2	E	Т
CEV335	Geographic Information Systems	3	2+0/2	E	Т
Sixth Semeste			$\boldsymbol{\boldsymbol{\wedge}}$		
	University Elective C			<u> </u>	
CEV338	Business Law	4	2+0/2	E	<u> </u>
AHL302	Ahi Community and Professional Ethics	4	2+0/2	E	Т
	Faculty Elective Co	1			
CEV340	Environmental Management Systems	3	2+0/2	E	
CEV342	Technology and Innovation Management	3	2+0/2	E	Т
	Vocational Elective C			- []	
CEV314	Environmental Economics	3	2+0/2	E	<u> </u>
CEV316	Water Pollution and Control	3	2+0/2	E	<u> </u>
CEV318	Integrated Watershed Management	3	2+0/2	E	T
CEV322	Air Pollution Modeling	3	2+0/2	E	Т
CEV324	Climate Change	3	2+0/2	E	T
CEV328	Groundwater Pollution and Control	3	2+0/2	E	T
CEV330	Natural Treatment Systems	3	2+0/2	E	T
CEV332	Biomonitoring	3	2+0/2	E	
CEV334	Planning of Environmental Resources	3	2+0/2	E	T
CEV336	Renewable Energy Resources	3	2+0/2	E	Т
0	4. Class				
Seventh Seme					
O a una a O a da	Faculty Elective Co	T		0/5	
Course Code	Course Name	ECTS	WCH	C/E	La.
CEV443 CEV445	Risk Management	3	2+0/2	E	T
CEV445	Project Management Vocational Elective Co	3	2+0/2	E	Т
			0.0/0		
CEV 407 CEV 411	Environmental Impact Assessment	3	2+0/2	E	T
	Landfill Design	3	2+0/2	E	<u>т</u>
CEV 413	Equipment and Operation of Treatment Plants	3	2+0/2	E	Т
CEV 415	Membrane Applications	3	2+0/2	E	<u>Т</u>
CEV 417	Biogas Production Technologies	3	2+0/2	E	Т
CEV 421	Operation of Solid Waste Plants	3	2+0/2	E	T
CEV 423	Advanced Wastewater Treatment	3	2+0/2	E	Т
CEV 425	Pumping Plant and Transmission Lines	3	2+0/2	E	<u>т</u>
CEV 427	Thermal Methods in Solid Waste Disposal	3	2+0/2	E	Т
CEV 431	Control of Treatment Sludges	3	2+0/2	E	Т
CEV 433	Anaerobic Treatment Technologies	3	2+0/2	E	Т
	Environmental Modeling	3	2+0/2	E	Т
CEV 435 CEV 437	Biological Methods in Solid Waste Disposal	3	2+0/2	Е	Т

Eighth Semester								
MUH 402	Innovation and Product Development	5	2+0/0	E	Т			
MUH 404	Quality Control and Standards	5	2+0/0	E	Т			
MUH 406	Productivity Management	5	2+0/0	E	Т			
MUH 408	Organizational Behavior for Engineers	5	2+0/0	E	Т			
MUH 410	MUH 410 Business Establishment and State Support 5 2+0/0 E T							

iVEPS

WCH: Weekly Course Hours

T+U/K: Theorical + Application/Credit

ECTS: European Credit Transfer System

C/E: Compulsory/Elective

La.: Language (T: Turkish)

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Graduate Course Catalog

1. Semester									
Course Code	Course Name	Т	U	National credit	ECTS	C/E			
BAT 550	Scientific Research Techniques And Publication Ethics	3	0	3	6	С			
CEMYU 501	Directed Field Studies I	4	0	0	6	С			
	Elective Course 1	3	0	3	6	E			
	Elective Course 2	3	0	3	6	E			
	Elective Course 3	3	0	3	6	E			
		IV	Total	12	30				
	2. Semester								

2. Semester

Course Code	Course Name	т	U	National credit	ECTS	C/E
CEMYU 502	Directed Field Studies II	4	0	0	6	_ • C
CEMYS 502	Master Seminar	0	2	0	6	С
	Seçmeli Ders 4	3	0	3	6	ш
	Seçmeli Ders 5	3	0	3	6	Е
	Seçmeli Ders 6	3	0	3	6	ш
		4	Total	9	30	

Z			3.	Semester					
Course Code	Course Nan	ne			т	U	National credit	ECTS	C/E
CEMYU 503	Directed Fi	eld Studies III	I		4	0	0	6	С
CEMYT 503	Thesis Stud	dies I			0	0	0	24	С
					-	Total	0	30	

4. Semester									
Course Code	Course Name				т	0	National Credit	ECTS	C/E
CEMYU 504	Directed Field Studies IV				4	0	0	6	С
CEMYT 504	Thesis Studies II				0	0	0	24	С
			U		U	Total	0	30	

General							
Semester		Course Hour (T/U/K)	ECTS				
1. Semester		16/0/12	30				
2. Semester		13/2/9	30				
3. Semester		4/0/0	30				
4. Semester		4/0/0	30				
	Total	37/2/21	120				

1. Semester Elective Courses

Course Code	Course Name	т	U	κ	ECTS
CEM 501	Advanced Environmental Engineering Microbiology	3	0	3	6
CEM 503	Environmental Biotechnology-I	3	0	3	6
CEM 505	Advanced Wastewater Treatment Technologies	3	0	3	6
CEM 507	Environmental Biophysics	3	0	3	6
CEM 509	Drought and Water Management	3	0	3	6
CEM 511	Computer Aided Drawing for Scientific Studies	3	0	3	6
CEM 513	Integrated Waste Management and Zero Waste	3	0	3	6
CEM 515	Geographic Information System (GIS) in Environmental Monitoring and Assessment	3	0	3	6
CEM 517	Adsorption and Ion Exchange in Environmental Engineering	3	0	3	6
CEM 519	Soil Pollution and Control	3	0	3	6
CEM 521	Global Climate Change	3	0	3	6
CEM 523 🔪	Waste Management in Industries	3	0	3	6
CEM 525	Radioactive Contamination	3	0	3	• 6
CEM 527	Energy Efficiency in Wastewater Treatment	3	0	3	6
CEM 529	Natural Systems in Wastewater Treatment	3	0	3	6
CEM 531	Industrial Air Pollutants	3	0	3	6
CEM 533	Particle Control in Air Pollution	3	0	3	6
CEM 535	Flue Gas Measurement and Analysis	3	0	3	6
CEM 537	Filtration	3	0	3	6
CEM 539	Air Pollution Modeling	3	0	3	6
CEM 541	Fuzzy Logic Modelling in Engineering	3	0	3	6
CEM 543	Wastewater Treatment Technologies	3	0	3	6
CEM 545	Novel Materials for Environmental Applications	3	0	3	6
CEM 547	Life Cycle Analysis Principles	3	0	3	6

2. Semester Elective Courses

Course Code	Course Name	Т	U	Κ	ECTS
CEM 504	Biochemical Processes in Wastewater Treatment Systems	3	0	3	6
CEM 506	Water Chemistry	3	0	3	6
CEM 508	Energy Production from Waste and Biomass	3	0	3	6
CEM 510	Biological Nitrogen and Phosphorus Removal from Wastewater	3	0	3	6
CEM 512	Physico-Chemical Processes of Wastewater Treatment Systems	S	0	3	6
CEM 514	Advanced Oxidation Processes	3	0	3	6
CEM 516	Statistics in Environmental Engineering	3	0	3	6
CEM 518	Environmental Applications of Remote Sensing	3	0	3	6
CEM 520	Assessment and Management of Environmental Noise	3	0	3	6
CEM 522	Recycling and Reuse of Wastewater	3	0	3	6
CEM 524	Eutrophication	3	0	3	6

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CEM 526	Membrane Processes for Wastewater Treatment	3	0	3	6
CEM 528	Environmental Micropollutants	3	0	3	6
CEM 530	Gaining Matter and Energy from Solid Waste	3	0	3	6
CEM 532	Environmental Biotechnology-II	3	0	3	6
CEM 534	Emission-Immission Sampling Systems of Industrial Air Pollutants	3	0	3	6
CEM 536	Management of Special Wastes	3	0	3	6
CEM 538	Greenhouse Gas Emissions and Monitoring	3	0	3	6
CEM 540	Zero Waste Approaches and Sustainable Resource Recovery	3	0	3	6
CEM 542	Applications of Prediction Models in Environmental Engineering	3	0	3	6
CEM 544	Advanced Techniques in Sedimentation Pools	3	0	3	6
CEM 546	Waste Gas Control	3	0	3	6
CEM 548	Dispersion Models of Air Pollution	3	0	3	6
CEM 550	Agro-industrial Waste Valorization	3	0	3	6
CEM 552	Water and Carbon Footprint in the Context of Environmental Sustainability	3	0	3	6
CEM 554	Losses in Water Networks and Prevention Methods	3	0	3	6

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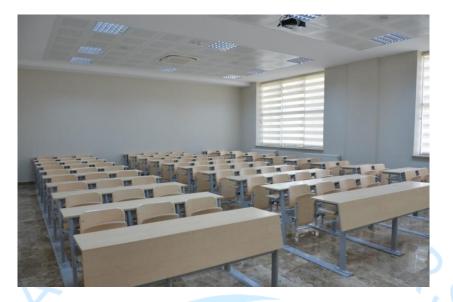
Activities

The workshop on the subject of "biogas," which has been emphasized and researched in recent years as a renewable energy source by our department, was held at the Adiyaman University Central Research Laboratory.

Another scientific event organized by our department was the Environmental Engineering Education and Research Workshop in Turkey in 2018. The current situation and future of education in Environmental Engineering Departments in Turkey were discussed, along with suggestions.

The latest scientific event organized with the contributions of our department is the 1st Adiyaman Water Workshop, in cooperation with Adiyaman University and Adiyaman Municipality, on Tuesday, March 22, 2022, at the Adiyaman University Rectorate conference hall. In the workshop, which was held in three different sessions, the importance of water resources and water pollution issues were discussed through oral presentations.

Classrooms;



Laboratories;





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Some of the devices in our laboratory;

- Atomic Absorption Spectrophotometry (AAS)
- Total Organic Carbon Analyzer (TOC)
- UV Spectrophotometer
- Incubator
- Distilled Water Device
- COD Heater Unit
- Oven
- Ash Furnace
- Jar Test Unit
- pH Meter
- Magnetic Stirrer
- Precision scales
- Microscope etc.

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ENGINEERING FACULTY

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