



Adiyaman Üniversitesi

FACULTY OF ENGINEERING

DEPARTMENT OF ENVIRONMENTAL ENGINEERING

Çevre Mühendisliği

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AlİT 101	Ataturk's Principles and Turkish Revolution 1	2+0+0	Compulsory	2
CEV 101	Introduction to Environmental Engineering	2+1+0	Compulsory	4
CEV 103	Mathematics 1	2+2+0	Compulsory	4
CEV 105	Physics 1	2+0+2	Compulsory	4
CEV 107	Chemistry 1	2+0+2	Compulsory	4
CEV 109	Technical Drawing and Descriptive Geometry	2+2+0	Compulsory	4
TD 101	Turkish I	2+0+0	Compulsory	2
YD 101	English 1	2+0+0	Compulsory	3
USD1	University Elective Course 1	2+0+0	Elective	3
Total ECTS				30
CEV 111	History of Science	2+0+0	Elective	3
CEV 113	First Aid	2+0+0	Elective	3
2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AlİT 102	Ataturk's Principles and Turkish Revolution 2	2+0+0	Compulsory	2
CEV 102	Environmental Microbiology 1	2+0+2	Compulsory	4
CEV 104	Mathematics 2	2+2+0	Compulsory	4
CEV 106	Physics 2	2+0+2	Compulsory	4
CEV 108	Chemistry 2	2+0+2	Compulsory	4
ENF 102	Introduction to Information Technologies and Applications	2+0+0	Compulsory	4
TD 102	Turkish 2	2+0+0	Compulsory	2
YD 102	English 2	2+0+0	Compulsory	3
USD2	University Elective Course 2	2+0+0	Elective	3
Total ECTS				30
CEV 110	Critical Analytical Thinking	2+0+0	Elective	3
CEV 112	Communication	2+0+0	Elective	3
3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
CEV 201	Environmental Chemistry 1	2+0+2	Compulsory	4
CEV 203	Environmental Microbiology 2	2+0+2	Compulsory	4
CEV 207	Fluid Mechanics and Hydraulics	2+2+0	Compulsory	4
CEV 209	Computer Programming and Design	2+2+0	Compulsory	3
CEV 215	Professional English 1	2+0+0	Compulsory	3
CEV 219	Materials in Environmental Engineering	2+0+0	Compulsory	3
FSD1	Faculty Elective Course 1	2+2+0	Elective	3
MSD1	Vocational Elective Course 1	2+0+0	Elective	3
USD3	University Elective Course 3	2+0+0	Elective	3
Total ECTS				30
CEV 211	Numerical Analysis	2+0+0	Elective	3
CEV 217	Reaction Kinetics	2+0+0	Elective	3
CEV 221	Sign Language	2+0+0	Elective	3
CEV 223	Soil Mechanics and Basic Construction	2+2+0	Elective	3
CEV 225	Differential Equations	2+2+0	Elective	3
4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
CEV 202	Environmental Chemistry 2	2+0+2	Compulsory	4
CEV 204	Environmental Engineering Ecology	2+0+0	Compulsory	3
CEV 208	Physical Unit Operations in Environmental Engineering	2+0+2	Compulsory	4
CEV 210	Computer Applications in Environmental Engineering	2+2+0	Compulsory	3
CEV 216	Professional English 2	2+0+0	Compulsory	3
CEV 220	Static and Strength of Materials	2+2+0	Compulsory	4
FSD2	Faculty Elective Course 2	2+2+0	Elective	3
MSD2	Vocational Elective Course 2	2+0+0	Elective	3

USD4	University Elective Course 4	2+0+0	Elective	3
			Total ECTS	30
CEV 212	Statistics for Engineers	2+0+0	Elective	3
CEV 218	Thermodynamics	2+0+0	Elective	3
CEV 222	Scientific Research Methods	2+0+0	Elective	3
CEV 224	Surveying Techniques	2+2+0	Elective	3

5.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
CEV 301	Chemical Unit Operations in Environmental Engineering	2+0+2	Compulsory	4
CEV 303	Solid Waste Management	2+1+0	Compulsory	3
CEV 305	Water Supply	2+2+0	Compulsory	4
CEV 307	Water Quality and Management	2+1+0	Compulsory	3
CEV 311	Air Pollution	2+1+0	Compulsory	3
CEV 343	Reuse of Wastes	2+0+0	Compulsory	3
FSD3	Faculty Elective Course 3	2+0+0	Elective	3
MSD3	Vocational Elective Course 3	2+0+0	Elective	3
USD5	University Elective Course 5	2+2+0	Elective	4

			Total ECTS	30
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CEV 313	Environmental Laws	2+0+0	Elective	3
CEV 315	Environmental Sanitation	2+0+0	Elective	3
CEV 317	Soil Pollution and Control	2+0+0	Elective	3
CEV 319	Hydrology	2+0+0	Elective	3
CEV 323	Design in Environmental Engineering	2+0+0	Elective	3
CEV 327	Ecotoxicology	2+0+0	Elective	3
CEV 329	Noise Pollution and Control	2+0+0	Elective	3
CEV 331	Environmental Biotechnology	2+0+0	Elective	3
CEV 333	Waste Disposal Methods	2+0+0	Elective	3
CEV 335	Geographic Information Systems	2+0+0	Elective	3
CEV 337	Entrepreneurship	2+2+0	Elective	4
CEV 339	Quality Management Systems	2+0+0	Elective	3
CEV 341	Occupational Health and Safety	2+0+0	Elective	3

6.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
CEV 302	Biological Unit Operations in Environmental Engineering	2+1+0	Compulsory	4
CEV 304	Hazardous Waste Management	2+1+0	Compulsory	3
CEV 306	Sewerage	2+2+0	Compulsory	3
CEV 308	Water Treatment and Plant Design	2+2+0	Compulsory	4
CEV 312	Air Pollution Control	2+1+0	Compulsory	3
CEV 344	Industrial Microbiology	2+0+0	Compulsory	3
FSD4	Faculty Elective Course 4	2+0+0	Elective	3
MSD4	Vocational Elective Course 4	2+0+0	Elective	3
USD6	University Elective Course 6	2+0+0	Elective	4

			Total ECTS	30
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AHL 302	Ahi Community and Professional Ethics	2+0+0	Elective	4
CEV 314	Environmental Economics	2+0+0	Elective	3
CEV 316	Water Pollution and Control	2+0+0	Elective	3
CEV 318	Integrated Watershed Management	2+0+0	Elective	3
CEV 322	Air Pollution Modeling	2+0+0	Elective	3
CEV 324	Climate Change	2+0+0	Elective	3
CEV 328	Groundwater Pollution and Control	2+0+0	Elective	3
CEV 330	Natural Treatment Systems	2+0+0	Elective	3
CEV 332	Biomonitoring	2+0+0	Elective	3
CEV 334	Planning of Environmental Resources	2+0+0	Elective	3
CEV 336	Renewable Energy Resources	2+0+0	Elective	3
CEV 338	Business Law	2+0+0	Elective	4
CEV 340	Environmental Management Systems	2+0+0	Elective	3
CEV 342	Technology and Innovation Management	2+0+0	Elective	3

7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
CEV 401	Industrial Pollution Control	2+1+0	Compulsory	3
CEV 403	Wastewater Treatment and Plant Design	2+2+0	Compulsory	4
CEV 441	Environmental Engineering Practices	0+2+0	Compulsory	2
CEV 447	Senior Design Project	0+2+0	Compulsory	3

FSD5	Faculty Elective Course 5	2+0+0	Elective	3
MSD5-9	Vocational Elective Course 5-9	2+0+0	Elective	30
			Total ECTS	45
CEV 407	Environmental Impact Assessment	2+0+0	Elective	3
CEV 411	Landfill Design	2+0+0	Elective	3
CEV 413	Equipment and Operation of Treatment Plants	2+0+0	Elective	3
CEV 415	Membrane Applications	2+0+0	Elective	3
CEV 417	Biogas Production Technologies	2+0+0	Elective	3
CEV 421	Operation of Solid Waste Plants	2+0+0	Elective	3
CEV 423	Advanced Wastewater Treatment	2+0+0	Elective	3
CEV 425	Pumping Plant and Transmission Lines	2+0+0	Elective	3
CEV 427	Thermal Methods in Solid Waste Disposal	2+0+0	Elective	3
CEV 431	Control of Treatment Sludges	2+0+0	Elective	3
CEV 433	Anaerobic Treatment Technologies	2+0+0	Elective	3
CEV 435	Environmental Modeling	2+0+0	Elective	3
CEV 437	Biological Methods in Solid Waste Disposal	2+0+0	Elective	3
CEV 443	Risk Management	2+0+0	Elective	3
CEV 445	Project Management	2+0+0	Elective	3
8.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
CEV 402	Engineering Adaptation	0+2+0	Compulsory	30
			Total ECTS	30