

TOTAL COURSE-PROGRAMME OUTCOMES RELATIONSHIP

Course Code	Course Name	T	P	ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13
1st Year - 1st Semester																	
CEV1001	Mathematics I	4	2	6	0	0	0	5	0	0	0	3	5	0	0	0	0
CEV1003	Physics I	3	1	5	0	0	0	5	0	0	0	3	5	0	0	0	0
CEV1005	General Chemistry	2	1	4	0	0	0	5	0	0	0	3	5	0	0	0	0
CEV1007	Linear Algebra	3	0	3	0	0	0	5	0	0	0	3	5	0	0	0	0
CEV1009	Introduction To Environmental Engineering	2	0	2	5	0	0	0	3	0	3	0	0	0	0	0	0
TDL1011	Turkish Language I	2	0	2	0	0	0	0	0	5	0	0	0	0	0	5	0
YDL1013	Foreign Language I	3	0	3	0	0	0	0	0	5	0	0	0	0	0	5	0
ATA1015	Ataturk Principles and The History of Revolution I	2	0	2	0	0	0	5	0	0	0	3	5	0	0	0	0
ENF1021	Basic Computer	2	2	3	0	0	0	5	0	0	0	3	5	5	0	0	0
1st Year - 2nd Semester																	
CEV1002	Mathematics II	4	2	6	0	0	0	5	0	0	0	3	5	0	0	0	0
CEV1004	Physics II	2	1	4	0	0	0	5	0	0	0	3	5	0	0	0	0
CEV1006	Computer Programming	2	1	5	0	0	0	5	0	0	0	3	5	5	0	0	0
CEV1008	Computer Aided Engineering Drawing	2	0	3	0	0	0	5	0	0	0	3	5	5	0	0	0
CEV1010	Environmental Chemistry	3	0	5	5	3	1	2	0	2	4	5	4	0	0	4	3
TDL1012	Turkish Language II	2	0	2	0	0	0	0	0	5	0	0	0	0	0	5	0
YDL1014	Foreign Language II	3	0	3	0	0	0	0	0	5	0	0	0	0	0	5	0
ATA1016	Ataturk Principles and The History of Revolution II	2	0	2	0	0	0	5	0	0	0	3	5	0	0	0	0

	3rd Year - 6th Semester																	
CEV3002	Unit Operations in Environmental Engineering II	4	0	5	5	2	3	4	3	0	3	3	5	1	3	0	2	
CEV3004	Water Supply	2	1	5	5	2	5	4	3	0	3	3	5	1	5	0	2	
CEV3006	Soil and Groundwater Pollution	3	0	4	5	0	0	0	3	0	3	0	0	0	0	0	0	
CEV3008	Technical English II	2	0	2	0	0	0	5	0	5	0	5	0	0	0	5	0	
	Technical Elective Course I	3	0	5														
	Technical Elective Course II	3	0	5														
	Probation	0	0	4	5	5	5	5	5	5	5	5	5	5	5	5	5	
	4th Year - 7th Semester																	
CEV4000	Graduation Thesis	0	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
CEV4003	Solid and Hazardous Waste Management	3	0	6	3	5	4	3	1	0	3	0	3	1	5	0	3	
CEV4005	Environmental Modelling	3	1	6	5	5	0	5	0	0	4	0	4	0	0	0	0	
	Technical Elective Course	3	0	5														
	General Elective Course I	2	0	4														
	General Elective Course II	2	0	4														
	4th Year - 8th Semester																	
CEV4000	Graduation Thesis	0	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
CEV4004	Wastewater Treatment and Sewerage	2	2	6	5	1	5	2	4	1	4	3	5	5	5	3	2	
CEV4006	Industrial Pollution Control	3	0	5	5	4	4	3	4	2	4	4	5	5	5	3	2	
	Technical Elective Course I	3	0	5														
	Technical Elective Course II	3	0	5														
	Social Elective Course	2	0	4														
	2nd Year – 3rd Semester Technical Elective Courses																	

CEV2011	Environmental Meteorology	3	0	5	2	4	2	3	0	0	5	4	3	3	0	0	2
CEV2013	Land Treatment	3	0	5	5	2	3	4	3	0	3	3	5	1	3	0	2
CEV2015	Fundamentals of Environmental Engineering	3	0	5	4	0	1	5	1	4	5	5	3	3	4	3	1
2nd Year – 4th Semester Technical Elective Courses (1th – 2nd and 3th package)																	
CEV2008	Climate Change and Effects	3	0	5	2	4	2	5	0	0	4	5	4	1	0	0	3
CEV2010	Geographic Information Systems and Remote Sensing	3	0	5	0	5	5	5	0	0	4	3	5	5	0	0	0
CEV2012	Environmental Engineering Ecology	3	0	5	5	0	0	0	3	0	3	0	0	0	0	0	0
CEV2014	Soil Mechanics*	3	0	5	5	2	2	3	0	0	3	5	3	3	4	0	4
CEV2016	Materials Science*	3	0	5	5	2	2	3	0	0	3	5	3	3	4	0	4
CEV2018	Hydrogeology*	3	0	5	5	2	2	3	0	0	3	5	3	3	4	0	4
CEV2020	Numeric Analysis	3	0	5	2	5	3	0	0	0	0	5	4	2	5	0	0
CEV2022	Organic Chemistry	3	0	5	2	4	0	4	0	0	0	4	3	3	4	0	3
CEV2024	Introduction to Molecular Biology and Technique	3	0	5	1	4	1	4	2	4	1	5	4	4	2	3	4
3rd Year – 5th Semester Technical Elective Courses (1th – 2nd package)																	
CEV3009	Natural Resources and Ecological Planning	3	0	5	1	2	3	5	0	0	4	3	5	0	0	0	2
CEV3011	Small Wastewater Treatment Plants	3	0	5	5	2	3	4	3	0	3	3	5	1	3	0	2
CEV3013	Clean and Renewable Energy Resources	3	0	5	5	5	5	4	0	3	5	5	4	5	3	0	3
CEV3015	Environmental Toxicology and Risk Assesment*	3	0	5	5	4	5	3	3	4	3	4	3	2	0	0	2
CEV3017	Urban and Environmental Planning*	3	0	5	1	0	4	4	0	0	3	1	0	0	0	0	2
CEV3019	Air Pollution Measurement Methods*	3	0	5	5	3	4	2	3	3	4	4	4	3	3	4	4
CEV3021	Activated Sludge Microbiology	3	0	5	5	5	2	2	2	4	2	4	4	4	3	2	0

CEV4008	Recycling and Reuse Of Wastewater	3	0	5	5	3	4	1	3	0	5	5	5	2	4	3	1
CEV4010	River and Lake Pollution Control	3	0	5	5	4	4	4	4	3	5	2	4	2	2	0	4
CEV4012	Operation of Wastewater Treatment Plants	3	0	5	5	1	5	2	4	1	4	3	5	5	5	3	2
CEV4014	Activated Sludge Nitrification and Denitrification Processes	3	0	5	5	2	3	4	3	0	3	3	5	1	3	0	2
CEV4016	Treatment Plant Design	3	0	5	5	2	4	3	4	3	4	4	5	5	5	3	1
CEV4018	Environmental Impact Assessment (EIA)*	3	0	5	3	3	5	5	5	2	4	2	2	3	2	3	5
CEV4020	Environmental System Analysis	3	0	5	4	5	3	5	4	2	3	3	3	2	0	2	0
CEV4022	Biological Methods at Solid Waste Disposal	3	0	5	5	2	3	4	3	0	3	3	5	1	3	0	2
CEV4024	Composting	3	0	5	5	5	4	0	3	0	5	0	5	4	5	0	5
4th Year - 8th Semester Social Elective Courses																	
CEV4026	First Aid	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4030	Folk Dances	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4032	Life Long Sport	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4034	N. Disasters And Disaster Educ.	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4036	Photography	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4042	History Of Art	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4044	Traditional Turkish Handicrafts	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4054	History And Philosophy Of Sci.	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4056	Introduction to Sociology	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4058	Urbanization Problems	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4064	Democracy And Human Rights	2	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0
CEV4068	Communication	2	0	4	0	0	0	0	0	5	0	0	4	0	0	0	0
CEV4070	German	2	0	4	0	0	0	0	0	5	0	0	4	0	0	0	5

CEV4074	Academic Writing	2	0	4	0	0	0	0	0	0	5	0	4	0	0	0	5	0
CEV4088	Chinese	2	0	4	0	0	0	0	0	0	5	0	4	0	0	0	5	0
CEV4090	Russian	2	0	4	0	0	0	0	0	0	5	0	4	0	0	0	5	0
CEV4092	Kazakh	2	0	4	0	0	0	0	0	0	5	0	4	0	0	0	5	0
CEV4094	First Aid	2	0	4	0	0	0	0	0	0	5	0	4	0	0	0	5	0

* Level of Contribution: 0-None, 1-Lowest, 2-Low, 3-Average, 4-High, 5-Highest