

Marmara University – Graduate School

Environmental Engineering– PhD Program (for those who hold a Msc degree)

1. SEMESTER						2. SEMESTER					
No	Code	Course Name	T	P	ECTS	No	Code	Course Name	T	P	ECTS
1	ENVE xxxx	Elective – 1	3	0	8	1	ENVE xxxx	Elective – 5	3	0	8
2	ENVE xxxx	Elective – 2	3	0	8	2	ENVE xxxx	Elective – 6	3	0	8
3	ENVE xxxx	Elective – 3	3	0	8	3	ENVE xxxx	Elective – 7	3	0	8
4	ENVE xxxx	Elective – 4	3	0	8	4	FBE xxxx	Elective – 8	3	0	4
TOTAL			12	0	32	TOTAL			9	0	28

Scientific Prep.: 1. SEMESTER					
No	Ders Kodu	Ders Adı	T	U	ECTS
1	ENVE 7054	Principles of Environmental Engineering Unit Operations	3	0	8
2	ENVE 7055	Principles of Water Engineering Design	3	0	8
3	ENVE 7057	Principles of Environmental Engineering Microbiology	3	0	8
4	ENVE 7058	Environmental Engineering Fluid Mechanics	3	0	8
5	ENVE 7059	Principles of Environmental Engineering Chemistry I	3	0	8

Scientific Prep.: 2. SEMESTER					
No	Ders Kodu	Ders Adı	T	U	ECTS
1	ENVE 7053	Principles of Unit Processes in Environmental Engineering	3	0	8
2	ENVE 7056	Principles of Wastewater Engineering Design	3	0	8
3	ENVE 7060	Principles of Environmental Engineering Chemistry II	3	0	8
4	ENVE 7061	Environmental Engineering Hydraulics	3	0	8

E1, E2, E3, E4: 1. semester / E5, E6, E7: 2. semester

No	Ders Kodu	Ders Adı	T	U	ECTS
1	ENVE 8001	Theory and Application of Filtration	3	0	8
2	ENVE 8008	Particle Technology for Environmental Engineering	3	0	8
3	ENVE 8009	Advanced Anaerobic Treatment	3	0	8
4	ENVE 8015	Special Topics in Advanced Air Pollution	3	0	8
5	ENVE 8017	Special Topics in Air Pollution Modeling	3	0	8
6	ENVE 8021	Removal of Refractory Organics	3	0	8
7	ENVE 8025	Advanced Biological Nutrient Removal	3	0	8
8	ENVE 8031	Waste Recovery	3	0	8
9	ENVE 8033	Atmospheric Deposition Processes	3	0	8
10	ENVE 8035	Multivariate Statistical Methods in Environmental Pollution	3	0	8
11	ENVE 8037	Air Pollutants and Climate Change	3	0	8
12	ENVE 8039	Atmospheric Processes in Air Pollution	3	0	8
13	ENVE 8041	Environmental Organic Chemistry	3	0	8
14	FBE 8002	Advanced Research Methods	3	0	4
15	FBE 8004	Teaching and Learning in Science and Engineering	3	0	4

