	WASTE DISPOSAL AND LEGAL FRAMEWORK									
1	Course Title:	WASTE	DISPOSAL AND LEGAL FRAMEWORK							
2	Course Code:	CEV5277								
3	Type of Course:	Optional								
4	Level of Course:	Second Cycle								
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	6.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:									
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	face							
14	Course Coordinator:	Prof. Dr.	GÜRAY ÇELİK							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Prof. Dr. Güray Salihoğlu gurays@uludag.edu.tr +90-224-2942120 Bursa Uludağ Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü.								
17	Website:									
18	Objective of the Course:	To equip the students with the knowledge to establish waste management systems by learning all the concepts within the general waste management field, To provide the student to assess the waste management problems considering the technical, legal and economic aspects, To provide the student to compare the national waste management practices with international ones and be able to make a feasible system choice.								
19	Contribution of the Course to Professional Development:	The course will contribute to students' ability to comment on legal issues related with waste disposal and apply.								
20	Learning Outcomes:									
		1	Will be able to develop solutions for waste management problems.							
		2	Will know the legal issues related with waste disposal and be able to apply.							
		Will be able to investigate the international applications and be able to develop worldwide solutions while searching for national solutions.								
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21	Course Content:									
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Week	Theoretical	Practice								
1	Hierarchy in waste management, integrated system solutions, national and international samples									
2	Technical issues to establish waste management systems									
3	Legal framework for waste disposal (Directives, Council Decisions, etc.)									
4	Waste codes, waste types and distributions, industry types, waste characteristics Regulation for General Aspects of Waste Management									
5	Issues to consider when establishing landfills, type of the landfills, Landfill lining and cover systems									
	Regulation for Waste Landfilling									
6	Facilities subject to permission, conditions to be environmental officer, responsibilities of environmental officer Regulation for Environmental Officer, Environmental Management Units and Environmental Consultancy Regulation for Permit and License									
7	Incineration of wastes and Regulation for Waste Incineration									
8	Waste oils, characteristics, sources, types, recovery, disposal Regulation for the control of waste oils									
9	Vegetable oils, characteristics, recovery, diesel production Regulation for the control of waste vegetable oils									
10	MID-TERM EXAMINATION									
11	Regulation for waste batteries and accumulators Regulation for the control of excavation soil, construction waste and debris									
12	Waste tyres, characteristics, environmental effects, recycling and disposal End-of-life vehicles, characteristics, environmental effects, recycling and disposal Regulation for the control of solid waste, regulations to control waste tyres and end-of-life vehicles									
13	Clinical waste, characteristics, possible environmental effects, disposal methods, sterilization and incineration									
14	Hazardous chemicals and related legal framework									

22	Textbooks, References and/or Other Materials:		1.Tchobanoglous, G.,Theisen, H., Eliassen, R., Integrated Solid Waste Management, Engineering, Principels and Management Issues, Mc.Graw Hill, 1993. 2.LaGrega, M.D., Buckingham, P.L., Evans, J.C., "Hazardous Waste Management", Mc Graw-Hill, N.Y.,1994. 3.White, P., Franke, M., Hindle, P., Integrated Solid Waste Management: A life cycle Inventory, London, Chapman & Hall,1995 4.Atık Mevzuatı (İlgili Yönetmelik ve Tebliğler)				
	Assesment						
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT				
Midtern	n Exam	1	20.00				
Quiz		0	0.00				
Home v	vork-project	1	20.00				
Final E	xam	1	60.00				
Total		3	100.00				
	ution of Term (Year) Learning Activities s Grade	es to	40.00				
Contrib	ution of Final Exam to Success Grade)	60.00				
Total			100.00				
Measur Course	•	sed in the	Attendance follow-up, homeworks and written exams will be used as measurement and evaluation techniques within the course.				
24	ECTS / WORK LOAD TABLE						

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	13	5.00	65.00
Homeworks	1	36.00	36.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	17.00	17.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			180.00
Total work load/ 30 hr			6.00
ECTS Credit of the Course			6.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	0
ÖK2	0	4	0	0	0	5	0	0	0	0	0	0	0	0	2	0
ÖK3	0	4	0	0	0	4	0	2	0	0	0	0	0	0	5	0

LO: Learning Objectives PQ: Program Qualifications									
Contrib ution Level:	1 very low	2 low	3 Medium	4 High	5 Very High				