EK-3

CUMHURİYET UNIVERSITY ENGINEERING FACULTY

Environmental Engineering Department Course Information Form

Department	**Environmental Engineering**		
Semestr/Year	**2**		
Name of Course	**Management of the landfills**		
Level of Course	**Postgratuate**		
Mandatory / Selective of Course	**Selective**		
Language of Course	**Turkish**		
Code	**Env. 5559**		
(T+P) hours	**3+0**		
Credit	**3**		
ECTS	**7.5**		
Prerequest Courses	**none**		
Category of Course			
Course Coordinator	Prof. Dr. Ali YILMAZ	e-mail:ayilmaz	Phone:1298
Course Lecturer	Prof. Dr. Ali YILMAZ		
Other Supplementary Lecturers			
Course Objectives	This course aims to introduce the landfills and to teach main aspects of the landfill management.		
Course Content	Concepts of waste disposal, Reduce in source, reuse and recycle, Markets for recycled products, Criterions for site selection, Contrains on site selection, Land application, Monitoring pollution, Public support, Legistlation, Responsible management, Environmental planning of a landfill.		
Education System			

WEEKLY BASED COURSE CONTENTS		
Week	**Detailed Content**	**Suggested preliminary preperation** (name, page no, etc)
Week 1	Concepts of waste disposal,	Hasan, S.E., 1996. Geology and Hazardous Waste Management, Printed in the United States of America (USA), New Jersey, 387s
Week 2	Reduce in source, reuse and recycle,	
Week 3	Markets for recycled products	
Week 4	Criterions for site selection,	
Week 5	Contrains on site selection,	
Week 6	Land application,	
Week 7	Monitoring pollution	
Week 8	Public support,	
Week 9	Legistlation, Responsible management,	
Week10	Solid waste management in India: Options and opportunities	Recources Conservation and Recycling, 24, 137-154.
Week11	Transition from dumping to the sanitary landfills (Solid waste management),	Waste Managment, 25, 323-327.
Week12	Applications in the UK,	Recources Conservation and Recycling, 20, 183-205 and 23, 259-270.
Week13	Applications in the Mexico,	Recources Conservation and Recycling, 39, 239-250.
Week14	Environmental planning of a landfill.	

SHARING EDUCATION MATERIAL AND ADVANCED SOURCES	
Education Materials and Course Notes	Homeworks and seminars are encouraged to improve student interactions.
Advanced Sources	Hasan, S.E., 1996. Geology and Hazardous Waste Management, Printed in the United States of America (USA), New Jersey, 387s US Environmental Protection Agency, 1991. Land disposal restrictions, summary of requirements; Report No. OSWER 9934.0-1A, Plus appendices, 26s.
Solution of Examination	Evaluation is done on the basis of final exam. Students must score minimum 75 over 100.

LEARNING OUTCOMES OF THE COURSE AND CONTRIBUTION OF PROGRAM LEARNING OUTCOMES			
Program Learning Outcomes*	**Knowledge and Skills earned**	**CPLOC**	**MEM**
LO-1			
LO-2			
LO-3			
LO-4			
LO-5			
LO-6			
LO-7			
***LO**: Learning Outcomes of Course* ***CPLOC**: Code of Program Learning Outcome that contributed* ***MEM**: Measurement and Evaluation Method*			

* Learing Outcomes of Course (LO) shouldn't exceed 10

CONTRIBUTION LEVEL OF COURSE TO PROGRAM OUTCOMES		
	Program Learning Outcomes *	**Contribution level ****

No		1	2	3	4	5
P1						
P2						
P3						
P4						
P5						
P6						
P7						
P8						
P9						
P10						
P11						

* ıProgram outcomes must be in the range of 8 – 14. ** at least=1

METHODS OF MEASUREMENT AND EVALUATION			
Method	**Number**	**Date**	**Contribution ratio**
Midterm			
Short exam			
Final Exam			
Homework			

ECTS/ WORK LOAD TABLE			
Efforts required fort the course	**Number**	**Time (hour)**	**Total work load (hour)**
Lecture hours (Including exam week.i.e., 16x total lecture hours)			
Study hours of student out of lecture hours			
Short exams			
Preperation for midterm			

Midterm			
Preperation for final exam			
Final exam			
		Total work load	
		Total work load /30 (h)	
		ECTS credit of course	