



EK-3

**CUMHURİYET UNIVERSITY ENGINEERING FACULTY****Environmental Engineering Department Course Information Form**

<b>Department</b>	<b>Environmental Engineering</b>		
<b>Semestr/Year</b>	<b>2/4</b>		
<b>Name of Course</b>	<b>Environmental Impact Assessment</b>		
<b>Level of Course</b>	<b>Undergraduate</b>		
<b>Mandatory / Selective of Course</b>	<b>Mandatory</b>		
<b>Language of Course</b>	<b>Turkish</b>		
<b>Code</b>	<b>Env. 4004</b>		
<b>(T+P) hours</b>	<b>2+0</b>		
<b>Credit</b>	<b>2</b>		
<b>ECTS</b>	<b>5</b>		
<b>Prerequest Courses</b>	<b>none</b>		
<b>Category of Course</b>	<b>Environmental Science</b>		
<b>Course Coordinator</b>	Prof. Dr. Ali YILMAZ	e-mail:ayilmaz	Phone:1298
<b>Course Lecturer</b>	Prof. Dr. Ali YILMAZ		
<b>Other Supplementary Lecturers</b>	<b>none</b>		
<b>Course Objectives</b>	This course aims to contribute teaching environmental impact assessment of an action , using technological information and control practices.		
<b>Course Content</b>	The definitions of the environmental impact assesment (EIA), History of environmental impact assessment, Description of the environmental setting, Steps of EIA`s studies, Preparing of EIA`s reports, Methods of impact analysis, Prediction and assessment of impacts on water, air, noise and biological environments, Prediction and assessment of impacts on		

	cultural and socio-economic environments, Public participation in environmental decision making, Future of environmental impact assessments.
<b>Education System</b>	

<b>WEEKLY BASED COURSE CONTENTS</b>		
<b>Week</b>	<b>Detailed Content</b>	<b>Suggested preliminary preparation (name, page no, etc)</b>
<b>Week 1</b>	The definitions of the environmental impact assesment (EIA), History of environmental impact assesment, Description of the environmental setting	Yılmaz, A., 2008, Çevresel Etki Değerlendirmesi (Environmental Impact Assessment), CÜ yayını, no 110, Sivas.
<b>Week 2</b>	Framework of EIA and its processes, Adequacy document,	
<b>Week 3</b>	Steps of EIA's studies and its implementation areas,	
<b>Week 4</b>	General information on methods of impact analysis,	
<b>Week 5</b>	Methods of impact analysis I: : Impact maps, Checklists,	
<b>Week 6</b>	Methods of impact analysis II: Interaction matrices, US AID matrix, Networks, Prediction methods	
<b>Week 7</b>	Midterm exam,	
<b>Week 8</b>	Prediction and assessment of impacts on water environments,	
<b>Week 9</b>	Prediction and assessment of impacts on air, noise environments,	
<b>Week10</b>	Prediction and assessment of impacts on cultural and socio-economic environments,	
<b>Week11</b>	Prediction and assessment of impacts on ecological environments,	
<b>Week12</b>	Public participation in environmental decision making,	

<b>Week13</b>	Future of EIA, planning and program,	
<b>Week14</b>	Practical consideration in writing impact statements, Some examples.	

<b>SHARING EDUCATION MATERIAL AND ADVANCED SOURCES</b>	
<b>Education Materials and Course Notes</b>	Homeworks and seminars are encouraged to improve student interactions.
<b>Advanced Sources</b>	Canter, L.W. , 1977, Environmental Impact Assessment; McGraw-Hill Book Company, New York, USA, 331s.
<b>Solution of Examination</b>	In the frame of relative evaluation, students must score minimum 45 over 100, during not only mean of midterm and final exams but also during final exam.

<b>LEARNING OUTCOMES OF THE COURSE AND CONTRIBUTION OF PROGRAM LEARNING OUTCOMES</b>			
<b>Program Learning Outcomes*</b>	<b>Knowledge and Skills earned</b>	<b>CPLOC</b>	<b>MEM</b>
<b>LO-1</b>			
<b>LO-2</b>			
<b>LO-3</b>			
<b>LO-4</b>			
<b>LO-5</b>			
<b>LO-6</b>			
<b>LO-7</b>			

**LO:** Learning Outcomes of Course  
**CPLOC:** Code of Program Learning Outcome that contributed  
**MEM:** Measurement and Evaluation Method

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

CONTRIBUTION LEVEL OF COURSE TO PROGRAM OUTCOMES						
No	Program Learning Outcomes *	Contribution level **				
		1	2	3	4	5
P1						
P2						
P3						
P4						
P5						
P6						
P7						
P8						
P9						
P10						
P11						

\* iProgram 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)			

<b>Study hours of student out of lecture hours</b>			
<b>Short exams</b>			
<b>Preparation for midterm</b>			
<b>Midterm</b>			
<b>Preparation for final exam</b>			
<b>Final exam</b>			
<b>Total work load</b>			
<b>Total work load /30 (h)</b>			
<b>ECTS credit of course</b>			