	ENG	SINEE	RING ETHICS						
1	Course Title:	ENGINE	ERING ETHICS						
2	Course Code:	MAK202	7						
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	le						
5	Year of Study:	2							
6	Semester:	3							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	-							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr.	Akın Burak Etemoğlu						
15	Course Lecturers:	-							
16	Contact information of the Course Coordinator:	e-posta: telefon: 2 adres: U	aetem@uludag.edu.tr 224 2941976 ÜMF, Makine Müh. Blm.						
17	Website:								
18	Objective of the Course:	Knowing understa ethics, se are simila their pers	why it is important to study engineering ethics, nding the distinction between engineering and personal eeing how ethical problem solving and engineering design ar. Students will have opportunities to present and discuss spectives of different case studies.						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Identify ethical dilemmas in engineering.						
		2	Explore the complexities of these dilemmas.						
		3	Determine and evaluate various alternatives for their resolution.						
		4	Identify the consequences of these actions upon implementation.						
		5	Review codes of ethics that should govern actions of engineers.						
		6	Describe in outline an ethical framework for engineering.						
		7	Discuss and present ethical dilemmas in engineering as a member of a team.						
		8	Identify the impact of engineering designs and solutions in a global and societal context.						
		9	Reach an ethically justified or morally reasoned practical solution to an ethical problem with anappropriate plan of action.						
		10							
21	Course Content:								
		Co	ourse Content:						
Week	Theoretical		Practice						
1	Introduction to engineering ethics								

2	Professionalism and codes of ethics																		
3	Understanding ethical problems																		
4	Ethio	cal pr	roblen	n solvi	ng teo	chnique	es												
5	Risk, safety and accident																		
6	The	right	s and	respo	nsibili	ties of	engin	eers											
7	Ethics in research and experimentation																		
8	Repeating courses and midterm exam																		
9	Doing the right thing, technology, engineer and society																		
10	Tech	nnolo	gical	innova	ation a	and eng	gineer	ing											
11	Case study, seminar presentation																		
12	Case study, seminar presentation																		
13	Case	e stu	dy, se	minar	prese	entatior	۱												
14	Case	e stu	dy, se	minar	prese	entatior	l												
22	Textbooks, References and/or Other Materials:									 Fleddermann, C.B., "Engineering Ethics", Prentice Hall, New Jersey, 1999. Whitbeck, C., "Ethics in Engineering Practice and Research", Cambridge University Press, 1998. Mantell, M. I., "Ethics and Professionalism in Engineering", McMillan, New York, 1964. TMMOB, Yayın No :203/3. "Mühendislik Etiği Panel Notları", 3. Ulusal Tesisat Mühendisliği Kongresi, İzmir, Kazım 1007. 									
Activites							1	Numb	er		Dura	Duration (hour) Total Load							
Midtern	tical n Exa	am					1		25!	25!00				2.00			28.00		
Practica	als/La	abs							C	0					(0.00			
Fielfne ty	₩ Y rRª	pdoje	epera	ition			1		25	25.00				10.00			20.00		
Homew	vorks								1	1				20.00					
Forget	voie cts 3 1									100.00				0.00					
Field St	eld Studies									0 0.00					0.00				
Micher a	15 GX18	ads							1	1 1				10.00			10.00		
Others									C	0			0.00			0.00			
Final E	Ral Exams 1										100.00				ŕ	12.00			
Total W	otal Work Load													90.00					
Cotalse	otatise ork load/ 30 hr									3.00									
ECTS	S Credit of the Course										3.00								
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
	I	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	(0	0	0	0	0	0	5	5	0	0	5	0	0	5	0	0		
ÖK2	(0	0	0	0	0	0	5	5	0	0	5	0	0	5	0	0		
ÖK3	(0	0	0	0	0	0	5	5	0	0	5	0	0	5	0	0		

ÖK5	0	0	0	0	0	0	5	5	0	0	5	0	0	5	0	0
ÖK6	0	0	0	0	0	0	5	5	0	0	5	0	0	5	0	0
ÖK7	0	0	0	0	0	0	5	5	0	0	5	0	0	5	0	0
ÖK8	0	0	0	0	0	0	5	5	0	0	5	0	0	5	0	0
ÖK9	0	0	0	0	0	0	5	5	0	0	5	0	0	5	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			