Department of Humanities and Social Sciences

Course Profile

Course Number: **HSS 100**	Course Title: **Professional Ethics**
Required / Elective: Required	Pre / Co-requisites: -
Catalog Description: The origins of ethical thought; ethical principles and basic theories; personal, academic and professional ethics for engineers; environmental ethics; ethical implications of technology, computer ethics; ethics in research and experimentation	Textbook / Required Material : FLEDDERMANN, Charles B., *Engineering Ethics*, Forth Edition, Prentice Hall, Engineering Source, 2011 ATASOY, Prof.Dr.N. et al.,*İ.Ü. Bilim Etiği*, İ.Ü. Yayınları, 2011 FELDMAN, Fred, *Etik Nedir?*, B.Ü. Yayınevi, 2012
Course Structure / Schedule: **(1+0+0) 1 / 1 ECTS**	
Extended Description: This course introduces the students to the key concepts, theories and the issues in the field of Professional Ethics. First, a number of fundamental concepts, such as profession, ethics and morality are discussed. Second, the major ethical theories such as utilitarianism, duty ethics, rights and virtue ethics and major tools for ethical decision making such as professional and corporate codes of ethics examined. Finally, some of the ethical issues that may appear while an engineer fulfills his/her professional obligations are discussed, such as safety, health and welfare of the society and the environment, issues related with the planning and usage of computers and related systems, issues in research and experimentation either in academic or in professional settings.	
Design content: None	Computer usage: No particular computer usage required

Course Outline:

Week / Topics

1 Introduction/Cases
2 What is profession? Who is a professional? Is engineering a profession? / Cases
3 What is ethics? Ethical Dilemmas. The origins of ethical thought. Ethical Principles. Personal Ethics / Cases
4 The necessary tools for solving professional ethical dilemmas. Ethical Theories I / Cases
5 Ethical Theories I I/ Cases
6 General Summary / 1st Midterm Exam
7 The necessary tools for solving professional ethical dilemmas Codes of Ethics: Professional & Corporate Code of Ethics / Cases
8 Environmental Ethics. Engineer's duty to the environment / Cases
9 Academic Ethics / Cases
10 General Summary / 2nd Midterm Exam
11 Ethical Implications of Technology. Impacts of the Information and Computer Technologies Computer Ethics / Cases
12 Computers as the object of unethical acts / Cases
13 Ethics in Research and Experimentation. Applicable analysis methods to ethical issues in research. / Cases

14. "Doing the Right Thing", The Citicorp Center Case –William LeMessurier

Teaching methods: Lectures, class discussion, video clips, short films, slides

Assessment methods:

1st Midterm Exam 25 %
2nd Midterm Exam 25 %
Attendance 25 % (% 70 attendances is required)
Final Exam 25%

Course Outcomes:

	Program Outcomes	*Level of Contribution				
		1	2	3	4	5
1	Apply analytical and critical thinking skills to contemporary global issues.					X
2	Describe the interrelationships between science, technology, and society.					X
3	Describe the interrelationships between art, culture, and society.					
4	Explain the historical, political and economic conditions in which science and technology emerge.					
5	Explain the historical, political and material conditions in which art and cultural expression emerge.					
6	Analyze how modes of thought are shaped by socio-cultural, historical, political and economic variables.			X		
7	Apply discipline-relevant methods to HSS research assignments.					X
8	Summarize and assess current developments in their subject area.					X
9	Recognize ethical issues and social responsibilities in the contemporary world.					X
10	Synthesize complex ideas in clear and concise ways.					X
11	Generate creative solutions to local and/or global problems.					X
12	Recognize relevance of coursework to personal experiences, lifelong learning, and job security.					X
13	Demonstrate an ability to function on teams.					
14	Demonstrate an ability to communicate effectively with written, oral and visual means.			X		

Student workload:
Reading 14hrs
Lectures .....14 hrs
Examinations 3,5hrs

TOTAL …… 30,5 hrs . . . to match 25x1 ECTS

Course Category:

ISCED General Area Codes	General Areas	ISCED Basic Area Codes	Basic Educational Areas	Percentage
1	Education	14	Teacher Training and Educational Sciences	
2	Humanities and Art	21	Art	
2	Humanities and Art	22	Humanities	40
3	Social Sciences, Management and Law	31	Social and Behavioral Sciences	40
3	Social Sciences, Management and Law	32	Journalism and Informatics	
3	Social Sciences, Management and Law	38	Law	
4	Science	42	Life Sciences	
4	Science	44	Natural Sciences	
4	Science	46	Mathematics and Statistics	
4	Science	48	Computer	
5	Engineering, Manufacturing and Civil	52	Engineering	10
5	Engineering, Manufacturing and Civil	54	Manufacturing and Processing	
5	Engineering, Manufacturing and Civil	58	Architecture and Structure	
6	Agriculture	62	Agriculture, Forestry, Livestock, Fishery	
6	Agriculture	64	Veterinary	

7	Medicine and Welfare	72	Medical	
7	Medicine and Welfare	76	Social Services	
8	Service	81	Personal Services	
8	Service	84	Transport Services	
8	Service	85	Environment Protection	10
8	Service	86	Security Services	