

**Department of Humanities and Social Sciences**

**Course Profile**

Course Number : <b>HSS 300</b>	Course Title : <b>Ethics, Science and Social Responsibility</b>
Required / Elective : Required/Elective	Pre / Co-requisites : -
Catalog Description: The concept of social responsibility and theories of ethics. Individual and collective responsibility. Social responsibilities of scientists. Research ethics. Science and religion. Technology and human values. Computer ethics. Unethical practices in science and technology. Science and technology for the common good. Medical experimentation; ethical dilemmas.	Textbook / Required Material : A reading packet, the content of which will be announced right before the semester.
Course Structure / Schedule : <b>(3+0+0) 3/ 6 ECTS</b>	
Extended Description : This course will explore the ethical and policy dimensions of scientific research, addressing issues such as research integrity, peer review, authorship status, issues of trustworthiness, human subjects, and animals, as well as the policy context of science, including science for policy, societal impact criteria, and policy for science.	
<u>Course Outline:</u>	
<b>Week</b>	<b>Topics</b>
1	Introduction
2	What is science?
3	What is philosophy?
4	Ethical theories
5	Concept of "Social Responsibility"
6	Technology
7	MIDTERM
8	Science and Religion I
9	Science and Religion II
10	Research ethics
11	Issues in Bioethics I
12	Issues in Bioethics II
13	Globalization and science
14	Some future trends
15	Conclusion
Design content : none	Computer usage: No particular computer usage required

	<u>Course Outcomes:</u> 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.					X
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.					
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.					
13	Demonstrate an ability to function on teams.	X				
14	Demonstrate an ability to communicate effectively with written, oral and visual means.					X

Recommended reading : The Ethics of Science: an introduction (1998), by David B. Resnik

Teaching methods : Class participation: Pre-class readings, lecture and class discussions, individual readings and team work for presentation.

Assessment methods : Midterm, Final , Critical writing

Student workload:

Pre-class reading .....50 hrs

Lectures .....50 hrs

Critical writing ..... 50 hrs

**TOTAL ..... 150 hrs ... to match 25X6 ECTS**

Prepared by : Instr. Tuğrul Özkaracalar

Revision Date : 13. 07. 2013

