

Department of Humanities and Social Sciences

Course Profile

Course Number : HSS 300	Course Title : Ethics, Science And Social Responsibility
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 :
Course Structure / Schedule : (3+0+0) 3 / 6 ECTS	
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.	
Design content : none	Computer usage: No special usage required
<p><u>Course Outcomes:</u></p> <ol style="list-style-type: none"> 1. Identify key philosophers of moral philosophy and describe some of their major contributions. (5,6) 2. Get an overview of commonly discussed ethical issues linked to new developments in science and technology, including pervasive technologies like biotechnology. (9) 3. Learn how to read and interpret philosophical texts (10) 4. Understand how a more appropriate perception of science, technology and ethics can improve the quality and effectiveness of real life contemporary discussions on ethics of science. (12) 5. Identify how effective contributions to an ethical discussion can gain impact on the design, development and deployment of science and technology. (9, 12) <p>5. Explain the historical, political, and material conditions in which artistic and cultural expression emerge.</p> <p>6. Analyze how modes of thought are shaped by socio-cultural, historical, political, and economic variables.</p> <p>9. Recognize ethical issues and social responsibilities in the contemporary world.</p> <p>12. Recognize the relevance of coursework to personal experience.</p> <p>14. Demonstrate and ability to communicate effectively with written, oral, and visual</p>	

means.

Recommended reading

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

The Ethical Dimensions of the Biological and Health Sciences (2002), edited by Ruth Ellen Bulger, et al.

Ethical Issues in Scientific Research: An Anthology (1994), edited by Edward Erwin, Sidney Gendin, et al.

Science, Money, and Politics: Political Triumph and Ethical Erosion (2001), by Daniel Greenberg

Teaching methods

Lecture, discussion and audiovisual materials

Assessment methods

Midterm

Final

Critical writing

Student workload:

Preparatory reading45 hrs

Lectures45 hrs

Critical writing 40 hrs

Preparation for presentation 20 hrs

TOTAL 150 hrs

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