

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 : -
Course Structure / Schedule : (1+0+0) 1 / 1 ECTS	
<p>Extended Description : Ethical considerations are an integral part of making professional decision.</p> <p>The professional obligations of engineers go beyond fulfilling a contract with a client or customer</p> <p>Codes of ethics can provide guidance in the decision-making process</p> <p>Wherever engineers practice, they should hold paramount the health, safety, and welfare of the public</p> <p>How an engineer fulfills those obligations may depend on the social and economic context of engineering practice</p>	
Design content : none	Computer usage: No particular computer usage required

Course Outcomes:

1. Be able to understand of how the social, economic, political, technological and ecological dimensions of internal and external environments create a moral and social context for business and engineering decision making. **(1,4,6,7,8,9,11)**
2. Be able to apply personal values and ethical principles as a basis for identifying, analyzing **(6,9,10,,11,12)**
3. Be able to understand of the legal, ethical, and social responsibilities of business toward their members, their customer, and the natural environment. **(1,9,13,,14)**
4. Be able to recognize and solve contemporary ethical and social issues in the business, economics or public administration decision making process. **(1,2,4,6,7,9,10,12)**

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

Recommended reading : -

Fledermann,,Charles B., Engineering Ethics, Third Edition, Prentice Hall, Engineering Source,
2007

Additional articles and cases will be handed out to the students by the instructor and will be placed on Course-on Line / Course Materials

Teaching methods : Class participation: , Movies, Class Discussions

Assessment methods : Exams, class presentation, class survey.

Student workload:

Pre-reading12 hrs

Lectures14 hrs

26 hrs.

Prepared by : Assoc. Prof.Dr. Eva Şarlak

Revision Date :

