

Department of Humanities and Social Sciences

Course Profile

| | |
|---|---|
| Course Number : HSS 223 | Course Title : Science Technology and Society |
| Required / Elective : Required | Pre / Co-requisites : - |
| Catalog Description: Historical review of science and technology, science - technology relations, technology – environment relations, public understanding of science, scientific process, scientific method. | Textbook / Required Material : - |
| Course Structure / Schedule : (3+0+0) 3 / 6 ECTS | |
| <p>Extended Description : This course aims to provide an understanding on the human, social and economic aspects of science & technology. Both science & technology as social institutions whose impacts are interconnected with other social institutions such as economy, politics and cultural values will be explored by focussing on these interconnections. A broad range of issues from different perspectives using examples and different experiences around the world will be studied. The present complex issues regarding science & technology will be presented in an accessible and engaging form to provoke, engage, inform and stimulate thoughtful discussion in an interdisciplinary way.</p> | |
| Design content : none | Computer usage: No particular computer usage required |
| <p>Course Outcomes:</p> <ol style="list-style-type: none"> 1- Recognize and describe the interrelations between science, technology and society (2). 2- Recognize how scientific and technological developments emerge (4). 3- Assess current developments and problems related to industrialization (8) 4- Demonstrate ability to recognize ethical issues and social responsibilities related to local and global problems (8, 9, 10, 13, 14) <p>(2) Describe the interrelationships between science, technology, and society.</p> <p>(4) Explain the historical, political and economic conditions in which science and technology emerge.</p> <p>(8) Summarize and assess current developments in their subject area.</p> <p>(9) Recognize ethical issues and social responsibilities in the contemporary world.</p> <p>(10) Synthesize complex ideas in clear and concise ways.</p> <p>(13) Demonstrate an ability to function on teams.</p> <p>(14) Demonstrate an ability to communicate effectively with written, oral and visual means.</p> | |
| Recommended reading:- | |
| Teaching methods: Class participation: Pre-class readings, lecture and class discussions, individual readings and research and team work for presentation. | |
| Assessment methods: Exams, class presentation, class survey. | |
| Student workload: | |

| | |
|---|----------------|
| Pre-reading | 25 hrs |
| Lectures | 45 hrs |
| Preparatory reading | 40 hrs |
| Literature review for presentation..... | 20 hrs |
| Team work for presentation | 20 hrs |
| TOTAL | 150 hrs |

Prepared by : Prof. Dr. Hacer Ansal

Revision Date : 03.03.2010