

**Department of Humanities and Social Sciences**

**Course Profile**

Course Number : <b>STS 311</b>	Course Title: <b>Science, Technology and Contemporary Arts</b>
Required / Elective: Elective	Pre / Co-requisites: None
Catalog Description: Questioning the distinction between science and arts. The use of science and technology in contemporary arts. Analyses of some key concepts such as democracy, freedom, and objectivity/subjectivity through contemporary art works. Critically comparing the methods of science, technology, and contemporary arts.	Textbook/Required Material: Various readings, assembled in a course pack.
Course Structure / Schedule: <b>(3+0+0) 3 / 6 ECTS</b>	
<p>Extended Description : As the arts become more and more integrated with technologies of design and simulation, and those technologies, in turn, are products of scientific advances, the boundary lines between art, science, and technology have become increasingly harder to define. Moreover, the arts not only have aesthetic and entertainment values but are also used in the service of political agendas, thereby also implicitly politicizing science and technology as they shape the arts. This course is an in-depth examination of the changing relationships between the arts, science, and technology. It begins with an overview of the history of the arts and how they have become increasingly shaped by new technologies. It then discusses key conceptual issues related to the topic, using illustrations from the contemporary arts world. Finally, the course focuses on current trends that are shaping new connections between art, technology, and science.</p>	
Design content: none	Computer usage: No particular computer usage required
<p>Course Outcomes:</p> <ol style="list-style-type: none"> <li>1. Be able to explain how art, technology, and science have co-evolved and intersected more and more in recent decades. <b>(3, 5, 10)</b></li> <li>2. Grasp how art is seldom politically neutral, even when it seems highly “technicized”. <b>(3, 5, 10)</b></li> <li>3. Develop a detailed familiarity with at least two art “projects” (in whatever medium), and be able to write papers and give presentations on those topics. <b>(7, 8, 10)</b></li> </ol> <p><b>(3) Describe interrelationships between art, culture, and society.</b></p> <p><b>(5) Explain historical, political, and material conditions in which artistic and cultural expression emerge.</b></p> <p><b>(7) Apply discipline-relevant methods to HSS research projects.</b></p> <p><b>(8) Summarize and assess current developments in the subject area.</b></p> <p><b>(10) Synthesize complex ideas in clear, concise ways.</b></p>	

**(14) Demonstrate an ability to communicate effectively with written, oral and visual means.**

Recommended reading : Mel Alexenberg, Educating Artists for the Future: Learning at the Intersection of Arts, Science, Technology, and Culture (2008)

Teaching methods: Lecture and class discussions

Assessment methods : Two papers and oral presentations; final exam

Student workload:

Pre-reading .....	25 hrs
Lectures .....	45 hrs
Preparatory reading .....	45 hrs
Literature review for presentation.....	25 hrs
Team work for presentation .....	10 hrs
<b>TOTAL .....</b>	<b>150 hrs</b>

Prepared by : Dr. Mark A. Shields

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