

**Department of Humanities and Social Sciences**

**Course Profile**

Course Number : <b>STS / MAN 476</b>		Course Title : <b>Strategic Management of Technology</b>
Required / Elective : Elective		Pre / Co-requisites : -
Catalog Description: Process of technological change: Innovation and diffusion. Technological environment. Competitiveness; securing competitive advantage of firms. Technology intelligence. Mechanisms of data collection. Technology – business connection. Putting technology into corporate planning. The key principles of technology strategy. Design and evolution of technology strategy. Technological collaborations.		Textbook / Required Material : -
Course Structure / Schedule : <b>(3+0+0) 3 / 5 ECTS</b>		
Extended Description : The key purpose of this course is to help the managers deal with issues of technology and innovation since they became one of the most important strategic factors and fundamental elements for competitiveness in the globalized economy. In order to avoid marginalization, companies have sought to improve and refine the way how they approach to the management of technology and innovation that necessitates an in depth learning by managers at all levels.		
Course Outline		
<b>Week</b>	<b>Topics</b>	
1	Introduction	
2	Technology & Industrialisation	
3	Technology: Definition & Characteristics, Management of Technology	
4	Understanding Technology Management Activities and Tools	
5	Technological Environment	
6	Competitiveness; Creating Firm-level Competitive Strategy	
7	Determinants of National Competitive Advantage	
8	Technology Acquisition	
9	Technology Exploitation	
10	Technology Identification	
11	Learning	
12	Technology Selection	
13	Colloborative Arrangements	
14	Collaborating with the Competitor	
15	Overview & Conclusion	

Design content : none

Computer usage: No particular computer usage required

Course Outcomes:

	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.					
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.			X		
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 : -

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

Assessment methods : Exams, class presentation, class survey.

Student workload:

Pre-class reading .....	20 hrs
Lectures .....	45 hrs
Homework preparatory reading .....	10 hrs
Case study .....	10 hrs
Literature review for research .....	25 hrs
Team work for presentation .....	15 hrs
<b>TOTAL .....</b>	<b>125 hrs .....</b> to match 25x5 ECTS

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