Course Profile

Course Number : **STS 444**	Course Title : **Knowledge and Knowledge Management in the Information Age**
Required / Elective : Elective	Pre / Co-requisites : -
Catalog Description: Data, information, knowledge. Explicit and tacit knowledge. Social, cultural and economic definitions of knowledge society concept. Network Society. Knowledge management. Principles and processes of knowledge management. Learning Organizations. Organizational culture for knowledge management. Human and technology factors in knowledge management. Knowledge Management Strategy and Systems.	Textbook / Required Material : -

Course Structure / Schedule : **(3+0+0) 3 / 5 ECTS**

Extended Description : In the last two decades, the increasing value of knowledge both for firms as well as countries has been widely acknowledged in the literature. In the increasingly competitive, globalized and so called "knowledge-driven" economy, it is generally argued that firms and countries should develop effective strategies and make intense investments in learning and knowledge creation in order to strengthen their competitiveness. On the other hand, knowledge creation and knowledge management are complex processes and require certain approaches and techniques, organizational vision, strategic management approach, learning culture and technical infrastructure. This course aims to provide an understanding of cultural, managerial and technical aspects of knowledge management. It will examine the phases and necessary steps for effective knowledge management. The discussions and course content will be supported by highlighting particular case studies and best practices of knowledge management from the corporate world.

Course Outline:

Week	Topics
1	Introduction
2	What do you want to learn: library search + one to one meeting + Learning each other + Asking deep and effective questions to learn and to gather knowledge
3	Definition of data, information and knowledge. How to convert data and information to knowledge?
4	Definition of knowledge management. Phases of knowledge management. Knowledge managers in corporations, and knowledge management as a career
5	Characteristics of Information Society and Digital Age: Value of knowledge for individuals in the digital age – how to convert knowledge into power and value? Value of knowledge for firms in the digital age – problems related with knowledge in the firm.

6	Value of knowledge for countries in the digital age – relation between knowledge and competitiveness
7	Types and classification of knowledge (tacit-explicit) How to convert explict knowledge to tacit within a company?
8	Detecting the "value-adding knowledge" in the organization – knowledge mapping and understanding who knows what
9	Knowledge Sharing: Formal and informal Channels for knowledge transfer. Why People share or not share their knowledge? What motivates people to share their knowledge? Awards for knowledge sharing
10	Role of Culture in Knowledge Management: How to create a knowledge sharing culture in the firm? Characteristics of learning organizations
11	Recording and saving knowledge: preventing the unintended flow of knowledge in collaborations
12	Knowledge Management Technologies
13	Knowledge Management Tools and Methods
14	Knowledge Management Strategies
15	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.		X			
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.		X			
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.				X	
8	Summarize and assess current developments in their subject area.				X	
9	Recognize ethical issues and social responsibilities in the contemporary world.			X		
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 : Davenport, Tom and Prusak, Larry; (2000), "Working Knowledge: How Organizations Manage What They Know", Harvard Business School Press

Mertins, Kai; Heisig, Peter; Vorbeck, Jens (eds.); (2001), "Knowledge Management: Best Practices in Europe", Imprint New York : Springer

Mertins, Kai; Heisig, Peter; Vorbeck, Jens (eds.); (2001), "Knowledge Management: Concepts and Best Practices", New York : Springer

Stewart, Thomas A.; (2001); "The Wealth of Knowledge, Intellectual Capital and the Twenty-

First Century Organization", New York: Currency

Nonaka, Ikujiro and Hirotaka, Takeuchi; (1995); "The Knowledge-Creating Company: How Japanese Companies Create the Dynamics of Innovation", New York : Oxford University Press,

Drucker, Peter Ferdinand; Garvin, David; Leonard, Dorothy; Straus, Susan; Brown, John Seely; (1998); "Harvard Business Review on Knowledge Management", Boston, MA : Havard Business School Press

O'Dell, Carla and Grayson, C. Jackson; (2003); "If Only We Knew What We Know: The Transfer of Internal Knowledge and Best Practice", "Ne bildiğimizi bir bilseydik", çeviren Günhan Günay. İstanbul: Dışbank

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

Assessment methods : Exams, class presentation.

Student workload:

    Pre-class reading ....25 hrs

    Lectures …………………………………45 hrs

    Homework preparatory reading   ……… 30 hrs

    Literature review for presentation………… 15 hrs

    Team work for presentation ……………….10 hrs

    TOTAL …………………………   **125 hrs . . . to match 25 x 5 ECTS**

Course Category:

ISCED General Area Codes	General Areas	ISCED Basic Area Codes	Basic Educational Areas	Percentage
1	Education	14	Teacher Training and Educational Sciences	
2	Humanities and Art	21	Art	
2	Humanities and Art	22	Humanities	
3	Social Sciences, Management and Law	31	Social and Behavioral Sciences	70
3	Social Sciences, Management and Law	32	Journalism and Informatics	30

3	Social Sciences, Management and Law	38	Law		
4	Science	42	Life Sciences		
4	Science	44	Natural Sciences		
4	Science	46	Mathematics and Statistics		
4	Science	48	Computer		
5	Engineering, Manufacturing and Civil	52	Engineering		
5	Engineering, Manufacturing and Civil	54	Manufacturing and Processing		
5	Engineering, Manufacturing and Civil	58	Architecture and Structure		
6	Agriculture	62	Agriculture, Forestry, Livestock, Fishery		
6	Agriculture	64	Veterinary		
7	Medicine and Welfare	72	Medical		
7	Medicine and Welfare	76	Social Services		
8	Service	81	Personal Services		
8	Service	84	Transport Services		
8	Service	85	Environment Protection		
8	Service	86	Security Services		

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