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Course Profile - Department of Information Technologies

Course Number : **IT 434**	Course Title : Fundamentals of E-Commerce
Required / Elective : Elective	Pre / Co-requisites :
Catalog Description: Internet technologies for e-commerce, electronic data interchange (EDI), electronic payment and security, legal aspects, e-commerce tools. Term project.	Textbook / Required Material : Electronic Commerce: International Edition, 5/E Authors: Efraim Turban, Jae Kyu Lee, Dave King, Judy McKay, Peter Marshall Prentice Hall, ISBN-10: 0135135443, ISBN-13: 9780135135440
Course Structure / Schedule : **(3+0+0) 3 / 6 ECTS**	
Extended Description : Two key goals will drive this course. (i) knowledge and thinking about concepts, approaches and types of e-commerce systems (ii) the ability of using appropriate knowledge, methods and techniques to a practical case in a project setting.	
Design content : analyzing and designing e-commerce application	Computer usage: computer-supported prototying tool for e-commerce application

Course Outcomes:

1. have solid understanding of fundamental concepts, alternative approaches for e-commerce [2, 3]
2. be able to facilitate analysis and development of e-commerce ideas, required business plan and operations [5, 8]
3. be equipped with appropriate methods, techniques to cope with all stages of developing e-commerce system [2, 3]
4. have the knowledge of various types of e-commerce systems [7]
5. have the knowledge of e-commerce technologies, applications, protocols [2, 3]
6. have the ability to reason through analysis, evaluation and design of e-commerce systems [2,3,6]
7. the ability to effectively apply this knowledge to the construction of e-commerce systems[8]

Program Outcomes for Management Information Systems Program:

1. A foundation in mathematics and basic sciences and ability to apply acquired knowledge as they relate to the study and practice of information systems management.
2. An ability to align information technology, organizational and strategic matters.
3. An ability to propose, analyze, design, develop, test and maintain an information technology system including software solutions, security model, computer and network infrastructure, etc. to solve information systems problems.
4. An ability to analyze local and global impact of computing on individuals, organizations and society; and the ability to apply information systems techniques, skills, and tools for regular computing practices as well as to improve effectiveness of current methodologies.
5. An ability to effectively communicate in oral and written media with all kinds of related audiences; and prepare documentation for this purpose as required.
6. An understanding of professional, ethical, legal, and social issues and responsibilities of information systems management profession.
7. A taste and breadth of knowledge across several social topics outside the immediate requirements of the information systems management profession, and the ability to work within heterogeneous teams to accomplish a common goal including people from the information systems area as well as other disciplines.
8. An ability to engage in life-long learning and professional development for personal improvement to follow contemporary information systems issues.

1.

Teaching methods

Pre-readings, Case-studies, lectures, project

Assessment methods

1 Midterm exam	30%
1 project	35%
1 Final	35%.

Student workload:

Preparatory reading	40 hrs
Lectures, workshop, discussions	45 hrs
Projects	50 hrs
Midterm Exam	6 hrs
Final Exam	9 hrs
TOTAL ……	**150 hrs**

Prepared by : Dr. Mehmet N. Aydin	Revision Date : Feb 9, 2010