Instructor:	Dr. Zeynep Onay
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Office Hours:	Monday, Wednesday 16:00 – 17:15 or by appointment
Course Web Page:	https://odtuclass2021f.metu.edu.tr/course/view.php?id=1371

Course Description:

The course focuses on the strategic role of information systems in organizations. It has a managerial, rather than technical perspective, emphasizing the application of information systems in a wide variety of business settings. It focuses on the role of managers in ensuring that these systems support and integrate the various business processes within the company in order to achieve competitive advantage. Topics are divided into three parts: Part I covers the types of information systems and system applications in different decision making contexts. Part II links systems to organizational strategies and introduces the methods used for building information systems. Part III stresses the issues involved in implementing and managing information systems: the determinants of system success and failure, system vulnerability and abuse, and the ethical and social impacts of information systems.

Course Student Learning Objectives: (CSLOs)

Upon successful completion of this course, students should be able to:

Course Specific Skills:

1. Understand how organizations use information systems to achieve strategic objectives
2. Relate decision making structures to types of information systems
3. Relate functional area business processes to information system levels
4. Distinguish the features of the different types of enterprise applications
5. Evaluate the spectrum of approaches for information systems development
6. Understand the link between the organization's strategy and information systems
7. Determine the priorities in selecting system projects that support the organization's strategy
8. Be aware of new opportunities offered by network strategies
9. Recognize the importance of information systems planning
10. Identify the determinants of system success and failure
11. Manage system project risks
12. Realize that all systems are vulnerable and open to abuse
13. Create controls to take steps against system vulnerability and abuse
14. Understand the ethical and social impacts of information systems

Discipline Specific Skills:

15. Understand how information systems integrate the functional areas within the organization
16. Realize that all systems lead to organizational change in different degrees
17. Recognize the role of managers in selecting systems that are critical for the organization
18. Evaluate the impact of information systems for achieving competitive advantage
19. Generate business value from information systems investments

Personal and Key Skills:

20. Develop analytical skills for evaluating information systems and projects
21. Link the concepts covered in the course to real world applications
22. Formulate action plans to derive value from information
23. Undertake the ethical use of information systems

Learning and Teaching Methods:

Formal lectures and in-class discussions

Required Reading:
Laudon, K.C., Laudon, J.P., *Management Information Systems: Managing the Digital Firm,* 16th Edition, Pearson, 2020, ISBN- 9780135191798.

Assessment and Grading:

Form of Assessment	% Contribution	Size of the assessment	CSLOs covered by the assessment	Feedback Method
Mid-Term Exam 1	30	50 Multiple-choice questions	1,2,3,4,15,18,19,21,22	Written and oral
Mid-Term Exam 2	30	50 Multiple-choice questions	1,5,6,7,8,16,18,19,20,21,22	Written and oral
Comprehensive Final Exam	40	50 Multiple-choice questions	1 to 23	Written

Course Policies:

PRESENTATION SLIDES: The presentation slides are available at the course web page. These slides can be used as chapter summaries and utilized while taking down notes during class.

COURSE REQUIREMENTS: Attendance is mandatory in this class. Past experience repeatedly demonstrated that students who regularly attend class perform significantly better than students who have an intermittent attendance.

STUDENT DISABILITIES: Any student, who, because of a disabling condition, may require special arrangements in order to meet course requirements, should contact the instructor as soon as possible. Students should present the appropriate documentation from the university's Disability Support Office (Engelsiz ODTÜ Birimi, ODTÜ Kütüphanesi, Solmaz İzdemir Salonu, Tel: 210.7196; engelsiz@metu.edu.tr) verifying their disability, and outlining the special arrangements required. Please note that no accommodations will be provided to the disabled students prior to the completion of this approved University process.

ACADEMIC DISHONESTY: The Department of Business Administration has no tolerance for acts of academic dishonesty. Such acts damage the reputation of METU, the Department and the BS degree and demean the honest efforts of the majority of the students. The minimum penalty for an act of academic dishonesty will be a zero for that assignment or exam.

CHEATING: All university, faculty/institute, and department principles on academic honesty will be strictly enforced. The usual consequence for academic dishonesty is failure of the course and referral of the case to the Dean of the Faculty for additional disciplinary action. Examinations are individual and are to be completed without outside assistance of any sort. Persons observed cheating during examinations will receive a failing grade in the course. Homework assignments are individual, unless otherwise specified by the instructor, and are to be completed without outside assistance of any sort, as well. Persons observed cheating in their homework assignments will receive a score of zero for the portion of the semester grade that is allocated to such assignments.

PLAGIARISM: The instructor assumes that students will do their own work. By placing their names on assignments (individual or team), students are affirming that the contents are their original work. Any previous work available from files or past students, as well as materials available on the internet may be used only as a suggestive model. Violation of this provision will be considered as unethical behavior, subject to disciplinary action. If you have any doubt about the use of a specific material, see the instructor

ahead of time. Any material used from outside sources should be referenced appropriately. Persons observed to plagiarize will be referred to the Dean of the Faculty for additional disciplinary action and also they will receive a score of zero for the portion of the semester grade that is allocated to such assignments.

METU HONOR CODE

Every member of the METU community adopts the following honor code as one of the core principles of academic life and strives to develop an academic environment where continuous adherence to this code is promoted.

"The members of the METU community are reliable, responsible and honorable people who embrace only the success and recognition they deserve, and act with integrity in their use, evaluation and presentation of facts, data and documents."

CIVILITY IN THE CLASSROOM: Students are expected to assist in maintaining a classroom environment which is conducive to learning. In order to assure that all students have an opportunity to gain from time spent in class, unless otherwise approved by the instructor, students are prohibited from using laptop computers and cellular phones, making offensive remarks, reading newspapers, sleeping, or engaging in any other form of distraction. Inappropriate behavior in classroom shall result, minimally, in a request to leave class.

Past observations have shown that the METU classroom experience is improved when the following are true:

Students arrive on time. Timely arrival ensures that classes are able to start and finish at the scheduled times. Timely arrival shows respect for both fellow students and faculty and it helps to create a better learning environment by reducing avoidable distractions.
Students are fully prepared for each class. Much of the learning in this course takes place during classroom discussions. When students are not prepared, they cannot contribute to the learning process.
Students respect the views and opinions of their colleagues. Disagreement and debate are encouraged; however, intolerance for the views of others is unacceptable.

KNOW YOUR RIGHTS AND RESPONSIBILITIES! http://oidb.metu.edu.tr/en/academic-rules-and-regulations

The following table gives the tentative schedule for the semester.

Month	Day	Topic	Chapter	CSLO
October	18	Introduction to Information Systems: Data, Information and Knowledge		21
	20	**Information Systems in Global Business** Strategic Business Objectives	1	1,18,19,21
	25	Dimensions of Information Systems; Key Challenges		
	27	**How Businesses Use Information Systems** Business Processes and Information Systems	2	1,2,3,4,15,18,19,21
November	1	Types of Information Systems		
	3	Enterprise Systems		
	8	Supply Chain Management Systems		
	10	Customer Relationship Management Systems		
	15	**Managing Knowledge** Enterprise-Wide Knowledge Management Systems Knowledge Work Systems	11	1,2,4,18,19,21,22
	17	Intelligent Techniques		
	22	**Enhancing Decision Making** Decision Support Systems	12	1,2,4,18,19,21,22
	24	Customer Decision Support Systems Executive Support Systems Group Decision Support Systems		
	29	MID-TERM 1, 14:25		
December	1	**Information Systems, Organization and Strategy** Competitive Forces Model	3.3	1,6,7,8,18,19,20,21,22
	6	Value Chain Model		
	8	Network Strategies		
	13	**Building Information Systems** Organizational Change System Development Life Cycle	13	5,16
	15	Traditional Systems Life Cycle		
	20	Prototyping Application Software Packages		
	22	End-User Development		
	27	Outsourcing		
	29	MID-TERM 2, 14:25		
January	3	**Managing Projects** Information System Failure The Information Systems Plan	14	9,10,11,17,18,19,20,22
	5	Selecting Projects		
	10	Managing Project Risk		
	12	**Securing Information Systems** System Vulnerability and Abuse	8	12,13
	17	Creating a Control Environment		
	19	**Ethical and Social Issues in Information Systems** Ethics in an Information Society The Moral Dimension of Information Systems	4	14,23
	26	FINAL EXAM, 16:30		