

BA 5302 – INFORMATION SYSTEMS

Friday 12:40 – 16:15

<b>Instructor:</b>	Dr. Kutay Güneştepe
<b>Office:</b>	
<b>Phone:</b>	+90 530 108 3177
<b>E-mail:</b>	<a href="mailto:kgunestepe@gmail.com">kgunestepe@gmail.com</a>
<b>Office Hours:</b>	
<b>Course Web Page:</b>	
<b>Course Description:</b>	
<p>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 various business settings. It focuses on the role of managers in ensuring that these systems support and integrate the various business processes within the company to achieve competitive advantage. Topics are divided into four parts: Part 1 covers essential knowledge about information systems in management and how information systems and organizations shape each other. Part 2 introduces issues related to information technology infrastructure and databases. Part 3 includes contemporary issues related to the digitalization of organizations and information system applications in various business processes. The final part covers basic information regarding building and managing information systems.</p>	
<b>Course Student Learning Objectives: (CSLOs)</b>	
<p><i>Upon successful completion of this course, students should be able to:</i></p> <p><b>Course Specific Skills:</b></p> <ol style="list-style-type: none"> <li>1. Understanding the role of information systems in running, managing, developing, and transforming businesses.</li> <li>2. Understanding the reciprocal relationship between organizations and information systems.</li> <li>3. Recognizing ethical, social, and political issues related to information systems.</li> <li>4. Comprehending the basics of information technology infrastructures, their trends, and security issues in information technologies.</li> <li>5. Understanding key issues related to data resources, database management, and data quality.</li> <li>6. Recognizing the main applications of information systems in the age of digitalization.</li> <li>7. Understanding the design and implementation of information systems.</li> </ol> <p><b>Discipline Specific Skills:</b></p> <ol style="list-style-type: none"> <li>8. Demonstrating broad knowledge of key concepts and literature about information systems in the management field.</li> <li>9. Understanding the role of information systems in organizations and organizing.</li> </ol> <p><b>Personal and Key Skills:</b></p> <ol style="list-style-type: none"> <li>10. Participating in group discussions</li> <li>11. Developing communication skills, including negotiation, argumentation, and presentation</li> <li>12. Developing critical thinking and reading skills</li> </ol>	
<b>Learning and Teaching Methods:</b>	
Sessions consist of a mixture of formal online lectures, discussions, and group work.	
<b>Required Reading:</b>	
Laudon, K.C., Laudon, J.P., <i>Management Information Systems: Managing the Digital Firm</i> , 17th Edition (Global Edition), Pearson, 2022, ISBN 978-0-13-697127-6	
<b>Suggested Reading:</b>	
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Assessment and Grading:				
Form of Assessment	% Contribution	Size of the assessment	CSLOs covered by the assessment	Feedback Method
Attendance, participation to in-class discussions	10	During in-class discussions	1-12	Oral (in class)
Midterm Exam	30	Essay and multiple-choice questions, 60 min	1-9, 11,12	Written
Essay reporting	20	Reading and reporting essays take 60-120 min	1-9, 11, 12	Written
Final Exam	40	Essay and multiple-choice questions	1-9, 11, 12	Written

#### Course Policies:

**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](mailto: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 BA/MBA/MS 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/Institute 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.

**METU HONOR CODE**

Every member of 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."

The following table gives the tentative schedule for the semester. The lectures will stress the most important and/or most difficult material. Appendices are required only if they are assigned. The students are required to read the chapters and appendices before they are covered in class.

Tentative Course Schedule				
Month	Day	Topic	Reading/ Assignment	CSLO
March	10	<b>Part 1</b> Information Systems in Global Business Today  Global E-business and Collaboration	Chapter 1  Chapter 2	1, 2, 8-12
March	17	<b>Part 1</b> Information Systems, Organizations, and Strategy	Chapter 3	1, 2, 8-12
March	24	<b>Part 1</b> Ethical and Social Issues in Information Systems	Chapter 4	2, 3, 8-12
March	31	<b>Part 2</b> IT Infrastructure and Emerging Technologies	Chapter 5	4, 8-12
April	7	<b>Part 2</b> Foundations of Business Intelligence: Databases and Information Management	Chapter 6	4, 5, 8-12
April	14	<b>Part 2</b> Telecommunications, the Internet, and Wireless Technology	Chapter 7	4, 8-12
April	21	NATIONAL HOLIDAY		
April	28	<b>Part 2</b> Securing Information Systems	Chapter 8	4, 8-12
May	5	<b>Part 3</b> Achieving Operational Excellence and Customer Intimacy: Enterprise Applications	Chapter 9	1, 2, 6, 8-12
May	12	<b>Part 3</b> E-commerce: Digital Markets, Digital Goods	Chapter 10	1, 2, 8-12
May	19	NATIONAL HOLIDAY		
May	26	<b>Part 3</b> Managing Knowledge and Artificial Intelligence	Chapter 11	1, 2, 8-12
June	2	<b>Part 3</b> Enhancing Decision Making	Chapter 12	1, 2, 8-12
June	9	<b>Part 4</b> Building Information Systems  Making the Business Case for Information Systems and Managing Projects	Chapter 13  Chapter 14	1,2, 7, 8-12