Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
G264	Management Information Systems	4	3	0	0	3	5

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Bachelor Degree
Objective	Being able to select the information technologies (IT) that fit the company structure and manage the information systems related to these technologies are crucial for our students to provide company's decision-makers the right information at the right time. The knowledge that our students acquire during this optional course will assist them to recognize and adapt to up-to-date IT systems during both their summer internship and future professional life. Within this context, the objectives of this course are: • to show students how actual IT affect and transform the business life and commerce • to familiarize students with the actual data processing, transfer, storage and security technologies • to allow students in assessing which information systems are required for a company to build relationships with its suppliers and customers and also to manage its production and distribution processes. • to create an awareness among students on the problems they may encounter during the selection, transition planning and implementation of an information system and to inform them how they can solve those problems.
Content	Information Systems in a Globalizing Business World; Global Electronic Business; Information Systems, Organizations and Strategies; IT Infrastructure and Current Technologies; Fundamentals of Business Intelligence: Databases and Information Management; Telecommunications, Internet and Wireless Communication Technologies; Security in Information Systems; Enterprise Applications; Knowledge Management and Artificial Intelligence.
References	(1) Laudon, K.D., Laudon, J.P., "Management Information Systems: Managing the Digital Firm", Prentice Hall, 17. edition, 2022. (2) Reix, R., Fallery, B., Kalika, M., Richet, J.-L., Rowe, F., "Systèmes d'information et management", Vuibert, 2023. (3) Pearlson, K.E., Saunders, C.S., Galletta, D.F., "Managing and Using Information Systems: A Strategic Approach", Wiley, 7. edition, 2019. (4) O'Brien, J., Marakas, G., "Management Information Systems", McGraw-Hill, 10. edition, 2017.

Theory Topics

Week	Weekly Contents
1	Information systems in the global business world
2	Globalized electronic business: how companies use information systems?
3	Information systems, organizations and strategies
4	Information systems, organizations and strategies
5	Information technology infrastructure and new technologies
6	Information technology infrastructure and new technologies
7	Foundation of business intelligence: databases and information management
8	Foundation of business intelligence: databases and information management
9	Midterm
10	Telecommunication, internet and wireless communication technologies
11	Security for information systems
12	Enterprise applications
13	Knowledge Management and Artificial Intelligence
14	Presentations