Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
ING224	Introduction to Information Technologies	4	3	0	0	3	4

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Bachelor Degree
Objective	In order to ensure that the decision-makers in an organization receive the information they need in a complete and timely manner, it is of great importance for our students to be able to select information technologies (IT) suitable for the structure of the business and to operate the systems related to these technologies effectively. Thanks to this course, which is offered as an elective in the program, the knowledge that students will gain will be very helpful in recognizing and adapting to current IT and its systems, both in their future business internships and in their business life after graduation. In this context, the objectives of the course are determined as follows: • To show students how current IT is impacting and transforming business and commerce • To ensure that students have a good command of current data processing, transmission, storage and protection technologies • To enable students to easily evaluate which information systems an enterprise needs to establish relationships with its suppliers and customers and to manage its own production and distribution processes. • To raise awareness of the problems that students may encounter when choosing an information system, planning the transition and after it is deployed, and to provide them with an idea of how these problems can be solved
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 a Globalizing Business World
2	Global Electronic Business
3	Information Systems, Organizations and Strategies
4	Information Systems, Organizations and Strategies
5	IT Infrastructure and Current Technologies
6	IT Infrastructure and Current Technologies
7	Fundamentals of Business Intelligence: Databases and Information Management
8	Fundamentals of Business Intelligence: Databases and Information Management
9	Midterm
10	Telecommunications, Internet and Wireless Communication Technologies
11	Security in Information Systems

Week	Weekly Contents
12	Enterprise Applications
13	Knowledge Management and Artificial Intelligence
14	Presentations