

ÇANKAYA UNIVERSITY
Faculty of Engineering

Department of Industrial Engineering

COURSE SYLLABUS

Course Code	: IE 364	Semester	: Spring 2025
Course Title	: Production Information Systems	Sections	: 01, 02
Pre-requisites	: IE 365	Students	: IE
Credit	: (3 0 3)	Type of Course	: Compulsory
ECTS	: 6	Course Web Site	: http://webonline.cankaya.edu.tr

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Course objectives:

- To introduce the concepts of information systems and technology
- To introduce production related information systems
- To develop skills in database software usage
- To develop skills in ERP software usage
- To enlighten students about the IE roles in building information systems

Textbook:

Laudon K.C. Laudon, J.P.	Management Information Systems: Managing the Digital Firm, 16 th Ed.	Pearson	2020	978-1-292-29656-2
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Lectures: Ms Powerpoint lecture notes will be used.

Labs: Microsoft Access and an ERP Package will be taught at these sessions. Please follow the instructions and install free Microsoft Office 365 Education from [this link](#). ERP Package login information will be provided later.

Section	Lecture	Lab
01	Thursday 14:20 – 15:10 H302	Thursday 15:20-17:10 H302
02	Friday 09:20 – 10:10 H302	Friday 10:20-12:10 H302

(*) Please attend your lectures and recitations at your registered time slot for best learning experience. Tentative lecture schedule is given below.

Week	Topic	Associated Chapter
1	Information Systems	Ch 1
2	Global E-business and Collaboration	Ch 2
3	Decisions and Processes	Ch 3
4	Information Technology Infrastructure	Ch 5
5	Designing Databases: Diagrams and Flowcharts	Ch 6, Handout
6	Business Process Redesign	Ch 7
7	Enterprise Applications	Ch 8
8	Business Analysis for ERP software implementation	Ch 9
9	Networks and Telecommunications, Industry 4.0	Ch 10, Handout
10	Ethics and Information Security: ISO Standards	Ch 4, Ch 11
11	Managing Knowledge, Big Data and Artificial Intelligence	Ch 12
12	E-commerce, Digital Markets, Digital Goods	Ch 13
13	Systems Development Life Cycle	Ch 14
14	IT Projects and Change Management	Ch 15

Tentative lab schedule is given below.

Week	Topic	To-Do
1	Ms Access-Basics, Tables	
2	Ms Access-Relations	
3	Ms Access-Queries-1	Submit project groups
4	Ms Access-Queries-2	
5	Ms Access-Forms	
6	Ms Access-Macros	
7	Ms Access-Macros	
8	ERP	
9	ERP	
10	ERP	Submit Ms Access case study
11	ERP	
12	ERP	
13	ERP	
14	ERP	Submit ERP Project

Special instructions are given below.

At week 3, students should form their groups and inform the course instructor through course website. The deadline of group formation is **Friday of Week 3 at 23:55**. Groups should include **four or five students**. Those who do not/cannot form a group will be grouped by the instructor. These groups will be valid for both the case study and the ERP project.

At week 10, groups should submit their complete Ms Access Case Studies by uploading the soft-copy to the course website. The deadline of submission is **Sunday of Week 10 at 23:55**.

At week 14, groups should submit the complete ERP projects by uploading a project report to the course website. The deadline of submission is **Sunday of week 14 at 23:55**.

The necessary information about the deliverables will be provided at the course webpage. Students are required to follow the course website and the announcements. The deadlines are strict and will be dictated by Moodle platform (e.g., Moodle platform will not accept any submissions after the deadline).

Grading: Tentative (*) grading plan is as below.

Tool	Weight
MsAccess case study	20%
ERP Project	20%
Midterm Exam	25%
Final Exam	35%
Total	100%

(*) Instructor reserves the right of changing the syllabus.

Attendance:

- Minimum required attendance to lectures is 45%.
- Minimum required attendance to labs is 45%.
- Attendance will be taken during lectures and lab hours via weonline.

Conditions that may lead to the letter grade “NA”:

- Not attending the Midterm Exam and the Final Exam.
- Having less than 45% attendance to lectures and labs. If you can get a passing overall grade which is greater than or equal to the letter grade **DD**, this minimum attendance requirement is dropped.
- Not submitting an ERP Project
- Not submitting an MsAccess Case Study