

ÇANKAYA UNIVERSITY
Faculty of Engineering

Department of Industrial Engineering

COURSE SYLLABUS

Course Code	: IE 364	Semester	: Spring 2017
Course Title	: Production Information Systems	Sections	: 01, 02
Pre-requisites	: -	Students	: IE
Credit	: (2 2 3)	Type of Course	: Compulsory
ECTS	: 5	Course Web Site	: http://webonline.cankaya.edu.tr

Instructor: Asst. Prof. Dr. M. Alp Ertem
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Office Hour: Monday 14:20-15:10

Assistants: Exp. Hasan KAVLAK, email: hkavlak@cankaya.edu.tr

Course objectives:

- To introduce the concepts information systems and information 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

Text: (Palme Kitabevi in Kizilay)

Paige Baltzan	Business Driven Information Systems, 5 th Edition with Connect	McGraw Hill	2016	978-0073402987
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Lectures: You can download the lectures from the course website. Please note that the entire book is not on the slides, and reviewing the slides will only be sufficient to review the course material before the exams. In fact, it is required for you to read the book and not just the slides.

Section 1 and 2: 09:20-11:10 Monday, MA-01

Section 3 and 4: 12:20-14:10 Monday, RB-04

Labs: Laboratories will be held at Modeling and Simulation lab. Microsoft Access applications and an ERP Package will be taught at these sessions. Learning tasks will be given in each lab section.

Section 1: 09:20-11:10 Tuesday, H338

Section 2 and 3: 12:20-14:10 Tuesday, H338

Section 4: 09:20-11:10 Thursday, H338

Tentative lecture schedule is given below.

Week	Topic
1	Information Systems
2	Hardware and Software Basics
3	Designing Databases: Flowcharts
4	Decisions and Processes
5	Business Process Redesign
6	E-business
7	Enterprise Applications
8	Infrastructures
9	ERP software
10	Ethics and Information Security: ISO Standards
11	Networks and Telecommunications
12	Networks: Mobile Business
13	Systems Development
14	IT Project Management

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	Submit Ms Access case study
9	ERP	
10	ERP	
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 assistant through course website. The deadline of group formation is **Friday of Week 3 at 23:55**. Groups should include **four to five students** and it is recommended for the same group students to attend **the same lab section**. 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 8, 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 8 at 23:55**.

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

There will be homework assignments in Mc Graw Hill Connect Platform (<http://connect.mheducation.com/class/a-erem-spring-2017>) online course platform. Students are expected to complete the assignments **individually**. An access code is required to enroll the class. Access code comes with the book when you purchase an original copy. Create a login name with your name and surname, such as name.surname, because assignments will be tracked with your login name. See the attached handout for registration instructions.

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
Connect assignments	10%
Complete MsAccess case study	20%
ERP Project	20%
Midterm Exam	20%
<u>Final Exam</u>	<u>30%</u>
Total	100%

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