

Corporate Solution & Practice

Course Name	Course type (credit/hours)	Elective course(3/3)	Course code	B022
	Target students Division/major/grade	Industrial Engineering/Junior	Opening semester	2020 1ST SEMESTER
	Class time and classroom	Mon E(Pal307)Wed E(Pal307)	English Grade	A(100%English)
Reference to this course	Prerequisite courses			
	Related basic courses			
	Recommended concurrent courses			
	Related advanced courses			

Instructor	Name (title/division)		Kim, Jae-Hoon(Professor, Industrial Engineering)			
	Office Room Number	산학연 818	Office phone Number	2657	e-mail	
	Office hours			Homepage address		
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

This course is designed for business & engineering students who wanted an in-depth look at how business firms use information technologies and systems to achieve corporate objectives. Information systems are one of the major tools available to business managers for achieving operational excellence, developing new products and services, improving decision making, and achieving competitive advantage.

When interviewing potential employees, business firms often look for new hires who know how to use information systems and technologies for achieving bottom-line business results. Regardless of whether you are an accounting, finance, management, operations management, marketing, or information system major, the knowledge and information you find in this course will be valuable throughout your career.

The main topics of this course are as follows:

E-Business: How Business Use Information Systems

Achieving Competitive Advantage with Information Systems

IT Infrastructure

Telecommunication Systems

Enterprise Applications & E-Commerce

Decision Making Support System

Building Information Systems and Information Systems

– ERP : Enterprise Resource Planning

– MIS : Management Information System

– ES : Expert Systems

This course is one of main subjects of Information System in Industrial Engineering major. Based on the knowledge of the course, we can obtain the ability of description for the information system building. Thus, the students can have the basic ability for system integration industry.

2. Course Objectives

- 1) Understanding the Roles of Business Information Systems & Solutions
- 2) Understanding the Competitive Advantage of Proper System Solution Building
- 3) Corporate Business Information System Developing Methods
- 4) System Solution Design and Case Studies

3. Class types and activities

Every Week: Lecture based on Power point materials and discussion

Every Week: System Design Case study & Practice

Term Project for the open problems in the Information System Building

- Proposal building and presentation
- Final show for the developed information system design

4. Teaching Method

☒ lecture

☒ discussion and debate

☒ team project(presentation and case studies)

☐ experiments(role-playing,etc)

☒ designing and production

☐ on-site learning(on-site training)

☐ others

5. Support Systems in Use

☒ AjouBb

☐ automatic recording system

☐ web-based assignment

☐ cyber lecture

☐ online content

☐ class behavior analyzing system

☐ others

6. Teaching Tools

<input checked="" type="checkbox"/> PBL(Problem Based Learning)	<input type="checkbox"/> CBL(Case Based Learning)	<input type="checkbox"/> TBL(Team Based Learning)
<input type="checkbox"/> UR(Undergraduate Research)	<input type="checkbox"/> FL(Flipped Learning)	<input type="checkbox"/> DSAL(Data Science Active Learning)
<input type="checkbox"/> others		

7. Knowledge and ability required for taking this course

- Basic understanding for the System Design and analysis
- Basic understanding for Modeling & Analysis Tool

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			
midterm exam	1	30	
final exam	1	30	
quiz			
presentation	1	10	
discussion			
homework	1	30	
etc			
study hours	3 hours		

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Essentials of Management Information Systems 11th	K.Laudon, J. Laudon	Pearson Education	2014

10. Class system and Class shedule

>Introduction
 >E-Business: How Business Use Information Systems
 >Achieving Competitive Advantage with Information Systems
 >IT Infrastructure
 >Database Management
 >Telecommunications

 >Enterprise Applications
 >E-Commerce
 >Decision Making Support Systems
 >Enterprise Resource Planning & Enterprise Architecture
 >Special Talk : IT Service Management
 >Corporate Intranet Systems

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Introduction	E	Kim, Jae-Hoon	Lecture	Discussion	
2	E-Business: How Business Use Information Systems	E	Kim, Jae-Hoon	Lecture	Discussion	
3	Achieving Competitive Advantage with Information Systems	E	Kim, Jae-Hoon	Lecture	Discussion	
4	IT Infrastructure	E	Kim, Jae-Hoon	Lecture	Discussion	
5	Database Management	E	Kim, Jae-Hoon	Lecture	Discussion	
6	Telecommunications	E	Kim, Jae-Hoon	Lecture	Discussion	
7	Presentation for Term Project Proposal	E	Kim, Jae-Hoon	Practice	Presentation	
8	Mid Term	E	Kim, Jae-Hoon	Exam	Exam	
9	Enterprise Applications	E	Kim, Jae-Hoon	Lecture	Report	
10	E-Commerce	E	Kim, Jae-Hoon	Lecture	Report	
11	Decision Making Support Systems	E	Kim, Jae-Hoon	Lecture	Report	
12	Enterprise Resource Planning & Enterprise Architecture	E	Kim, Jae-Hoon	Lecture	Report	
13	System Design Practice	E	Kim, Jae-Hoon	Practice	Report	

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
14	System Design Practice	E	Kim, Jae-Hoon	Practice	Report	
15	System Design Presentation	E	Kim, Jae-Hoon	Practice	Presentation	
16	Final Exam.	E	Kim, Jae-Hoon	Exam	Exam	

11. Other items of notification