

Management Decision Making

Course Name	Course type (credit/hours)	전선(3/3)			Course code	1037
	Target students Division/major/grade	Business Admin./2nd year students			Opening semester	2019 1ST SEMESTER
	Class time and classroom	화D(다311) 목C(다311)(다311)			English Grade	A(100%English)
Reference to this course	Prerequisite courses	Quantitative Business Analysis, Business Statistic				
	Related basic courses	Quantitative Business Analysis, Business Statistic				
	Recommanded concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)	성민제 (교수/경영대학 경영학과)				
	Office Room Number	다526	Office phone Number	2912	e-mail	
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

This course aims to provide students with tools and concepts of management decision making so that students can improve their ability to be effective and efficient in the way they make decisions in an organization. The subjects covered include Data Envelopment Analysis, Analytic Hierarchy Process, Decision table, Decision Tree, Value of Information, Risk Attitude, Forecasting. The models will be implemented through the use of software packages such as EXCEL, EXCEL Add-Inns.

2. Course Objectives

K2 : 인사, 재무, 생산, 마케팅, 회계 등 경영학 전공 지식에 대한 이해와 활용 능력 배양
 01 : 팀의 일원으로 임무를 수행하는 참여 능력 배양
 03 : 효과적인 의사전달 능력 배양

3. Class types and activities

Class Format: Basically, the class instructional format will be a dialogue between the students and the instructor. It is important to note that strong class participation is founded on adequate preparation. You will be expected to have thoroughly reviewed the material on every class subjects prior to its discussion in class. When you are prepared, the class discussion is greatly enhanced and everyone including me learns far more than otherwise.

4. Teaching Method

- | | |
|---|---|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input checked="" type="checkbox"/> team project(presentation and case studies) | <input type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|--|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input checked="" type="checkbox"/> CBL(Case Based Learning) |
| <input checked="" type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

Lecture Notes/Courseware: The outline of lecture notes (mostly in Powerpoint files) and Excel data files necessary for the analyses of examples and cases will be available on e-class web.

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			1 penalty point for each unexcused absence
midterm exam		35%	
final exam		35%	
quiz			
presentation			
discussion			
homework		30%	
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Making Hard Decisions with Decision Tools	Robert T. Clemen and Terence Reilly	Duxbury	2001
Main	Introduction to Management Science, 9th ed.	Bernard W. Taylor III	Prentice Hall	2007

10. Class system and Class shedule

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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	lang uage	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Introduction to decision making models. Linear programming Excel sover solution		성민제	Lecture		
2	Data Envelopment Analysis		성민제	Lecture		
3	Analytical Hierarchy Process		성민제	Lecture		

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
4	Decision Tree Analysis I		성민제	Lecture		
5	Decision Tree Analysis II		성민제	Lecture		
6	Probability Calculus, Bayes Theorem		성민제	Lecture		
7	Subjective Probability		성민제	Lecture		
8	Midterm Exam		성민제	Test		
9	Value of Information		성민제	Lecture		
10	Risk Attitudes		성민제	Lecture		
11	Forecasting I		성민제	Lecture		
12	Forecasting II		성민제	Lecture		
13	Portfolio Optimization		성민제	Lecture		
14	Portfolio Optimization		성민제	Lecture		
15	Review		성민제	Lecture		
16	Final Exam		성민제	Test		

11. Other items of notification