

Syllabus [2025Year 2 Term]

Course Information

Course Title	Production and Operations Management	Credits	3
Course Code	356140-3	Required/Elective (For Undergraduate Courses)	Mandatory Major
Department or Major	Business Administration	Language	English
Methods of Teaching		Lecture Room	화4,5,6/ 목4,5,6(상경323)
Time Allotment	Lecture(3) Experiments(0) Trainging & Practice(0) Performance(0) Designing & Planning(0)	Cyber Lectures	
Course Type	offline		
Cyber Lectures Preview			

Lecturer

Lecturer	Name	MUN KWON GI	Rank	Associate Professor	Final Academic Degree	경영학박사
	Department & college	School of Business Administration		Office		
	Office Phone Number	031-8005-3428		e-mail	ryanmun@dankook.ac.kr	
	Field of Interest					

Course Summary

Course Description	The course provides concepts and knowledge on how firms and organizations design and deliver products and services to their customers. Decision models and tools are used to improve quality, increase productivity, and reinforce supply-chains with suppliers and distributors of business firms. The broad themes of the course touch upon strategy, planning and control of operations to achieve quality, efficiency, flexibility, or speed. Analytical techniques in management science are introduced to solve global supply chain problems.
Description Related Courses	Statistics for Business and Economics (Recommended; No required coursework and background)
Course Goals	Objective 1: Students will communicate effectively on operations and supply chain management related topics.

	<p>Objective 2: Students will demonstrate knowledge in knowledge areas such as business process analysis, quality management, supply chain management, inventory management, project management etc., and the ability to frame problems, collect and analyze data, and construct conclusions based on facts and analysis.</p> <p>Objective 3: Students will recognize implications and challenges of operations and supply chain decisions in a global environment.</p> <p>Objective 4: Students will be able to effectively use information technology to support operations and supply chain activities and decision making.</p> <p>Objective 5: Students will recognize the sustainable operations decision-making issues.</p>
Projected Results	
Percentage of the original language classes(%)	English (100%)
Cyber Lectures P review	

Syllabus

Times	Lecture Topic	Lecture Goals	Lecture Methods	Assignments
1	1. Welcome 2. Introduction to OM (Chapter 1)	1. Introduction to Production & Operations Management 2. Understanding processes	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 1 (Due on 16 October)
2	1. Introduction to OM (Chapter 1) 2. Introduction to Processes (Chapter 2) 3. Process Analysis (Chapter 3)	1. Students will be able to understand processes 2. Students will be able to apply POM methodologies to analyze processes	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 1 (Due on 16 October)
3	1. Process Analysis (Chapter 3) 2. Quality and Statistical Process Control (Chapter 9)	1. Students will be able to understand both QM and TQM 2. Students will be able to apply mathematical models to monitor the quality of goods and services	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 1 (Due on 16 October)
4	1. Quality and Statistical Process Control (Chapter 9) 2. Forecasting (Chapter 15)	1. Students will be able to forecast future demands	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 1 (Due on 16 October)
5	1. Forecasting (Chapter 15)	1. Students will be able to forecast future demands	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 1 (Due on 16 October)

Times	Lecture Topic	Lecture Goals	Lecture Methods	Assignments
6	1. Supply Chain Management(Chapter 11)	1. Students will be able to understand both Supply chains and SCM	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 1 (Due on 16 October)
7	Midterm Exam (21 October 2025)		강의,	Supplements
8	1. Inventory Management with Stead Demand (Chapter 12)		강의,	Course materials: Lecture slides & Supplements Assignment: Homework 2 (Due on 11 December)
9	1. Inventory Management with Perishable Demand (Chapter 13)	1. Students will be able to understand Inventory models	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 2 (Due on 11 December)
10	1. Inventory Management with Perishable Demand (Chapter 13) 2. Inventory Management with Frequent Orders (Chapter 14)	1. Students will be able to understand Inventory models	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 2 (Due on 11 December)
11	1. Inventory Management with Frequent Orders (Chapter 14) 2. Case Presentation	1. Students will be able to understand Inventory models	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 2 (Due on 11 December)
12	1. Case Presentation		강의, 토의토론수업,	Slides (Case study)
13	1. Case Presentation		강의, 토의토론수업,	Slides (Case study)
14	1. Project Management (Chapter 19)	1. Students will be able to understand Project Management	강의,	Course materials: Lecture slides & Supplements Assignment: Homework 2 (Due on 11 December)
15	Final Exam (16 December 2025)		강의,	Supplements

Methods of Grading

sequence	Description	Percentage	Details
1	Mid-term Exam	25%	
2	Final-exam	30%	
All		100%	

sequence	Description	Percentage	Details
3	Pop Quizzes	0%	
4	Assignments	20%	
5	Reports	0%	
6	Presentations & Discussions	10%	
7	Attendance	15%	
8		0%	
9	Others	0%	
All		100%	

Core of Value

핵심가치	전공역량	역량정의	역량구분	값(%)
혁신 (Discovery)	창의적문제해결 (Creative problem-solving)	주어진 상황과 문제를 창의적으로 해결할 수 있는 능력	부역량	15%
혁신 (Discovery)	도전 (Challenging)	전공 지식을 새로운 분야와 융합하고 아우를 수 있는 능력		5%
혁신 (Discovery)	지식융합 (Knowledge convergence)	새로운 분야를 개척하거나 도전적으로 임할 수 있는 능력		10%
헌신 (Dedication)	세계시민 (Universal value)	세계 공동체 구성원으로 전공자로서 국제적 이슈에 대응할 수 있는 능력		5%
헌신 (Dedication)	상호협력 (Cooperation)	공동의 목적 달성을 위해 타인과 상호협력을 할 수 있는 능력		5%
헌신 (Dedication)	공동체 (Sense of community)	공동체의 구성원으로서 필요한 태도와 윤리의식을 가질 수 있는 능력		5%
능동 (self-Determination)	자기주도 (Self-Managing)	주어진 상황과 문제를 주도적이고 능동적으로 해결할 수 있는 능력		10%
능동 (self-Determination)	지식활용 (Knowledge application)	주어진 상황과 문제에 대해 논리적으로 파악하고 분석할 수 있는 능력	주역량	20%
능동 (self-Determination)	논리적사고 (Logical thinking)	전공관련 지식을 필요에 따라 다양하게 적용하고 활용할 수 있는 능력		10%

핵심가치	전공역량	역량정의	역량구분	값(%)
능동 (self-Determination)	의사소통 (Articulation)	대화를 통해 다양한 의견을 조율하고 합 의를 이끌어 낼 수 있 는 능력	부역량	15%

Textbook(s) & References

Descrip tion	Title	Author	Publisher
Requi red T extbo ok	Operations Management	Cachon and Ter wiesch	McGraw-Hill Publication

Memo

1. Attendance

Regular attendance is expected and considered mandatory. Each student is allowed one absence (one week) from class for the entire semester without direct penalty to his or her grade (This excludes penalties that may result from missing in-class activity or homework). Two lates are equivalent to one missing class.

15% ≤ 2 absences

12% for 3 absences

10% for 4 absences

8% for 5 absences

6% for 6 absences

4% for 7 absences

2% for 8 absences

0% for more than 8 absences

2. Case Study

Team based case report and presentation are used develop critical thinking and teamwork skills around Operations Management and Supply Chain Management. One case will be chosen at random by each team. Teams will consist of 3-5 members and will submit their assigned case report by the due date. Each team will also present the case. Grade for case report/presentation will be composed of three components: 1) Team members rate individual team members for teamwork skills on their assigned case (30%), 2) Other teams rate the presenting team (40%), and 3) Instructor will calibrate and rate team and individual student participation. (30%) More information will be communicated on first class date.

3. Honesty and Integrity

These are expected in class participation, examinations, assignments, and other academic work. Any suspected cases will be turned over to the dean's office. All students are expected to know, understand and live up to the standards of academic integrity.