Keio University Syllabus and Timetable

JAPANESE SUPPLY CHAIN MANAGEMENT

Lecturer(s)	KHOJASTEH, YACOB
Credit(s)	2
Academic Year/Semester	2024 Spring (1st Half)
Day/Period	Thu.3,4
Campus	Mita
Classroom	512
Class Format	Face-to-face classes (conducted mainly in-person)
Registration Number	08472
Faculty/Graduate School	INTERNATIONAL　CENTER
Year Level	2, 3, 4
Grade Type	S, A, B, C, D
K-Number ▼ Detail	CIN-CO-00243-212-07

Course Contents/Objectives/Teaching Method/Intended Learning Outcome

This course covers supply chain strategy and concepts by focusing on some Japanese cases, and provides the students with a solid understanding of the tools and techniques necessary to solve supply chain problems. Key drivers of supply chain performance such as forecasting demand, logistics and transportation, decision-making tools, information, and sourcing will be covered. It helps students develop the ability to evaluate supply chain performance and to formulate required strategies.

Active Learning Methods ⓘ Description

Presentations
Group work

Preparatory Study

Homework problems will be assigned after finishing each topic. The purpose of the assignments is to practice the concepts that are covered in lectures. Students are expected to work on those assignments as a study tool for the exam.

Course Plan

Lesson 1

Introduction to supply chain management

Lesson 2

Decision making tools in SCM

Lesson 3

Forecasting demand - concepts and tools

Lesson 4

Forecasting demand in SCM I

Lesson 5

Forecasting demand in SCM II

Lesson 6

Linear programming (LP) and its application in logistics

Lesson 7

Computer software for LP and logistics

Lesson 8

Logistics and transportation models

Lesson 9

Computer software for transportation models

Lesson 10

SCM analytics

Lesson 11

Group presentations

Lesson 12

Group presentations

Lesson 13

Course wrap-up and review

Lesson 14

Exam

Other

Office hours

Method of Evaluation

Class attendance（10%）
Homework assignments（10%）
Exam （60%）
Case assignment/presentations (20%)

Textbooks

Lecture handouts will be provided as the course proceeds.

Reference Books

Heizer J., Render B. and Munson, C. (2017) *Operations Management: Sustainability and Supply Chain Management*, 12th edition, Pearson International Edition

Khojasteh, Y. ed. (2018) *Supply Chain Risk Management: Advanced Tools, Models, and Developments*, Springer

Khojasteh, Y., Xu, H. and Zolfaghari, S. eds. (2022) *Supply Chain Risk Mitigation: Strategies, Methods and Applications*, Springer