Special Topics on Supply Chain Management
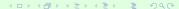## Course Introduction

Hyunsoo Lee, Ph. D, Prof.

August 26, 2025

Outline

1. 1. Announcement
   - 1.1. Announcement
   - 1.2. What you have to do

2. 2. Prof. Info.
   - 2.1 Info I
   - 2.2 Info II
   - 2.3 Info III

3. 3.Course Info.
   - 3.1. Course Overview
   - 3.2. Grade Policies
   - 3.3. Course Topics

1. Announcement
2. Prof. Info.
3.Course Info.

1.1. Announcement
1.2. What you have to do

Course Principle

Principle

- Let us start at 6:30 from the next class

- Don't be late at the beginning of each class

- Cheating behaviors have the greatest penalties

1. Announcement
2. Prof. Info.
3. Course Info.

1.1. Announcement
1.2. What you have to do

Homework-Homepage

- Make your own homepage
- Recommended Address :
  https://kitst.kumoh.ac.kr/$\sim$ sURL/scm
    - ex) http://kitst.kumoh.ac.kr/$\sim$ s20231111/scm
- Your picture & "I keep the promises between Prof. and I"
- Due date : September 11th (Thursday) Noon

1. Announcement
2. Prof. Info.
3. Course Info.

2.1 Info I
2.2 Info II
2.3 Info III

Instructor : Hyunsoo Lee

Academic Career

- 1) 2006∼2010 : Ph.D , Industrial & Systems Engineering, Texas A&M University
- 2) 2000∼2002 : MS, Industrial & Production Engineering, POSTECH
- 3) 1993∼1997 : BS. Industrial Engineering, SKKU

More Info.

- Prof. Homepage : http://kitlab.kumoh.ac.kr/∼hsl

1. Announcement
2. Prof. Info.
3.Course Info.

2.1 Info I
2.2 Info II
2.3 Info III

Career

Professional Career

- 1) 10. 2021 $\sim$: Prof.
- 2) 09.2016$\sim$: Associate Prof.
- 3) 09.2011$\sim$08.2016 : Assistant Prof. / School of Industrial Engineering / Kumoh National Institute of Technology

- 4) 2010$\sim$2011 : Senior Manager, SCM Division, LG Electronics
- 5) 2009$\sim$2010 : Teaching Instructor, Texas AM University, USA
- 6) 2006$\sim$2019 : RA / TA, Texas AM University, USA
- 7) 2002$\sim$2006 : Advisory Consultant, Samsung SDS

1. Announcement
2. Prof. Info.
3.Course Info.

2.1 Info I
2.2 Info II
2.3 Info III

Project

Project Info.

- Project Info : Refer Course Homepage

1. Announcement
2. Prof. Info.
3.Course Info.

3.1. Course Overview
3.2. Grade Policies
3.3. Course Topics

Course Overview

Course Info.

- Course No: IDI076-01
- Course Title : Special Topcis on Supply Chain Management
- Course Homepage :
  http://kitlab.kumoh.ac.kr/~hsl/courses/scm
- Course title
  - Course time: 06:30PM ~ 09:30 PM, Every Tuesday, G702

1. Announcement
2. Prof. Info.
3.Course Info.

3.1. Course Overview
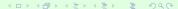3.2. Grade Policies
3.3. Course Topics

Grade Policies

Score Portion

- Midterm I/II (30%) Final (35%) Quiz & Homework (20%) Attendance (10%) Attitude (5%)

Basic Policies

- 1) Research & Implement Performances
- 2) Attendance
- 3) Prior execuse for absenses (ill, care, job interview)
- 4) Don't miss Midterm/Final Exams
- 5) Don't interrupt class

1. Announcement
2. Prof. Info.
3. Course Info.

3.1. Course Overview
3.2. Grade Policies
3.3. Course Topics

To be Covered

Topics

- 1) Basics & Fundamentals on SCM
- 2) SCM KPIs & Analysis
- 3) SCM Dynamics & SCM Disruptions
- 4) SCM & Machine learnign techniqueis
- 5) SCM Controls

- 6) Your own SCM perspective (Quantitative & Qualitative)

1. Announcement
2. Prof. Info.
3. Course Info.

3.1. Course Overview
3.2. Grade Policies
3.3. Course Topics

Implementation Tools

Tools

- 1) Python and Related libraries

- 2) Matlab / Simulink with Related Toolboxes