

Course: **Operations Management**

Days and Times: TuTh 10:30-11:50am
Classroom: A1. (TBD)
Instructor's Name: Professor Seung-Wook Kim
Email: seungwook.kim at sunykorea (seungwook.kim@sunykorea.ac.kr)
Office: B6.05
Office Hours: 2:00pm-4:00pm Tu/Th

Course Description:

Through the course, students will develop an ability to understand key concepts in operations management, analyze performance of systems quantitatively, gain insights into performance characteristics, recognize various trade-offs in operations management decisions, and apply concepts and analytical methods to help you improve your firm/organization's operational performance.

Prerequisites: BUS Major/Minor or ISE Major: BUS 110, BUS 111, BUS 112 or BUS 115; BUS 215 or AMS 102 for non-business majors, and BUS 220.

Required Texts & Other Course Materials:

- *Operations Management*, 12th (or 13th Edition); Stevenson, William J.; McGraw-Hill, 2015 (for reference only).
- Microsoft® Excel with Solver add-in.
- Please visit <https://classroom.google.com/> for all Powerpoint presentations, a reference copy of the textbook, the list of homework questions, and the electronic copy of this syllabus. The password is "au4cwiki".
- You should be to log in only [*****@ gmail.com] format.
- It is not available to log in the google classroom such as, [*****@ sunykorea.ac.kr] and [*****@ stonybrook.edu] .

Why Do Business Students Take Operations Management? Throughout your career, you will often face situations in which a clear understanding of the role of operations management within a business organization will be

essential. This course will demonstrate the strategic importance of the operations of all enterprises in the service, retail, manufacturing, and financial sectors, whether public or private, and whether for profit or not for profit.

Grading Information:

Examinations (60% of the final grade): There will be two cumulative exams: a midterm (30%) and a final (30%). Exams will be open book, open note. You may bring a non-communicating calculator and a ruler or straight edge to the exams. I will ask you to hand in your phones before the exam periods.

There will be **no makeup exams** except under **extreme conditions**. I will not give make-up exams without (a) an advanced notice that you will miss the exam, and (b) a written documentation explaining the reason for your absence. I will judge the adequacy of the reason and the appropriateness of a make-up exam. I reserve the right to format the make-up exam as an oral exam.

Homework Assignments (30% of the final grade): There will be four homework assignments, based on the textbook. Please check <https://classroom.google.com/> for the assignment and due dates. You are welcomed to work with a group on these assignments, but you must submit your own assignment. You may use the textbook to assist you in completing these assignments.

Attendance (10%): Class attendance will be regularly checked. Each absence will be penalized(cost you some points). An absence with **prior** approval from the instructor will not be penalized.

Attendance and Participation Policy

This is a required class and students are expected to attend every class. You are allowed one unexcused absence without penalty. Otherwise SUNY Korea attendance policy will be followed, so familiarize yourself with it and make sure to provide excuses to the instructor or TA before or shortly after you missed a class.

From SUNY Korea attendance policy:

- If a student has over 20% unexcused absence, the student's final course grade will be an 'F'. For this class it means 7 (seven) unexcused absence of a student will lead to an F grade of the course.
- Students should report the reason of absence to the instructor in advance, or immediately after the absence.
- When a student excuses his/her absence, the student must provide documentation of the reason for the absence to the instructor.
- The instructor of the course reserves the right to excuse absences and may excuse the absence if the submitted documentation fulfills the conditions below.
 - + Extreme emergencies (e.g. death in the family).
 - + Severe medical reasons with doctor's note (Not a slight illness).
 - + Very important events (e.g. national conference, official school event).

Academic Integrity:

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academic_integrity/index.html.

The College of Business Statement Regarding Academic Dishonesty:

The College of Business regards any act of academic dishonesty as a major violation punishable by severe penalties, including dismissal from the University. University policy requires that instructors and GAs report all suspected cases of academic dishonesty to the appropriate Academic Judiciary Committee, which is empowered to take a strong action against violators, including expulsion from the University. Please note that there is a link to the Academic Judiciary web site on the Blackboard home page. Under no circumstances will the College of Business permit cheating of any kind. Many activities constitute academic dishonesty. The following list is not inclusive, only suggestive:

On Examinations: Referring in any way to the examination paper of another student. Use of materials (notes, books, etc.) not explicitly permitted by the instructor. The exchange of any information concerning the examination with any other person after the examination has begun.

Class Schedule:

				*				*	
Week #1	Tuesday	03-Mar	Introduction	1		Thursday	05-Mar	Strategy and Productivity	2
Week #2	Tuesday	10-Mar	Strategy and Productivity (BSC)	2		Thursday	12-Mar	Forecasting	3
Week #3	Tuesday	17-Mar	Product and Service Design	4		Thursday	19-Mar	Product and Service Design	4
Week #4	Tuesday	24-Mar	Capacity Planning	5		Thursday	26-Mar	Capacity Planning	5
Week #5	Tuesday	31-Mar	Review Session			Thursday	02-Apr	Process Selection & Facility Layout	6
Week #6	Tuesday	07-Apr	Process Selection & Facility Layout	6		Thursday	09-Apr	Location Planning and Analysis	8
Week #7	Tuesday	14-Apr	Location Planning and Analysis	8		Thursday	16-Apr	Management of Quality	9
Week #8	Tuesday	21-Apr	Management of Quality	9		Thursday	23-Apr	Review Session	
Week #9	Tuesday	28-Apr	Midterm			Thursday	30-Apr	No Class	
Week #10	Tuesday	05-May	No Class			Thursday	07-May	MRP and ERP	10
Week #11	Tuesday	12-May	MRP and ERP	10		Thursday	14-May	Inventory Management	13
Week #12	Tuesday	19-May	Inventory Management	13		Thursday	21-May	JIT and Lean Operations	14
Week #13	Tuesday	26-May	JIT and Lean Operations	14		Thursday	28-May	Review Session	
Week #14	Tuesday	02-Jun	Supply Chain Management	15		Thursday	04-Jun	Supply Chain Management	15
Week #15	Tuesday	09-Jun	Linear Programming	19		Thursday	11-Jun	Linear Programming	19
Week #16	Tuesday	16-Jun	Review Session			Thursday	18-Jun	FINAL EXAM (10:30-1:00pm)	

* Please read before class.

※ This schedule is tentative to change.