

Course Outline 2017
**OPSMGT 255: INTRODUCTION TO OPERATIONS AND SUPPLY
CHAIN MANAGEMENT (15 POINTS)**

Semester 1 (1175)

Course Prescription

An introduction to important decision areas in operations and supply chain management. Modelling and analytical skills will be developed and supporting techniques/tools will be introduced using spreadsheets. Common qualitative and quantitative aspects of supply chain management will be discussed.

Programme and Course Advice

Prerequisite: INFOSYS 110 or 120 and STATS 108 or 101 or 191

Goals of the Course

The course provides an introductory understanding of operations and supply chain management that will serve as a good foundation for such Stage-III courses as advanced operations and supply chain management, and e-business and supply chains. The course has multiple goals, including providing students with a range of skills. Students will master the fundamentals of operations and supply chain management thinking, including an understanding of the strategic issues relating to the operations and supply chain management functions in the global business environment. Students will learn to identify areas for improvement, and will be able to apply a range of new tools and techniques to exercise the appropriate improvements. Development of modelling and analytical skills in the computer labs will equip students with the ability to solve several common types of operations and supply chain management problems. The course also discusses how information technology can improve the competitive position of the entire supply chain. These skills are developed through class material, practice in class, assignments, and case studies.

Learning Outcomes

By the end of this course it is expected that the student will be able to:

1. understand the importance of operations and supply chain management in today's global environment and how the internal linkages between functions, and better management of operations and the supply chain, can provide competitive advantages;
2. identify operations and supply chain management issues and use appropriate tools and techniques to enhance operations and supply chain management;
3. demonstrate an appreciation of how the theoretical concepts described in the course may be effectively applied in practice by companies; and
4. construct models using spreadsheets to solve simple operations and supply chain management problems.

Content Outline

This course is an introductory course in Operations Management. As such, students are expected to understand terminologies and the relationships that may exist between various tools and techniques. The course will cover:

Week 1	Operations Management & Strategy
Week 2	Demand Management & Forecasting
Week 3	Capacity Management
Week 4	Capacity Management (cont.'d)
Week 5	Process Design
Week 6	(Test)
Week 7	Lean Thinking
Week 8	Performance Measurement, Quality & Product Design
Week 9	Inventory & Resource Planning
Week 10	Inventory & Resource Planning (cont.'d)
Week 11	Collaborative Supply Chains

The procedures and the course schedule are subject to change though all effort has been taken to plan lectures according to the schedule given. For further details please refer throughout the semester to the course schedule in CANVAS.

The expectation is that students spend an average of 7-9 hours per week on the course outside of class (approximately evenly split between reading/studying and assignments).

Student Feedback

In the spirit of continuous improvement, feedback and ideas on this course are welcomed. Past student feedback resulted in the inclusion of opportunities to practice presentation skills during most of the weekly Lab sessions.

Learning and Teaching

Classes will be held at the City campus and comprise two weekly lectures of two hours and one hour respectively, plus one hour lab. Skills developed will be employed to assist with course assessments. A variety of instructional methods will be employed, including lectures, case discussions, videos, educational games, and guest-lectures from industry. To make the class more lively and valuable for everyone, all students are expected to have read and thought about the material assigned for each week.

Teaching Staff

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Learning Resources

A course book containing the basic lecture slides is available for purchase from the Business School Book Shop, Owen G Glen Building, Level 0, Room 062. Online resources available via CANVAS include additional e-readings, lecture recordings, assignment problems, lab exercises and video tutorials, a sample test, and past exams.

Assessment

Each student will undertake two individual assignments and a case study report in groups of three students. These assignments are to be submitted electronically on CANVAS before the due time. Late assignments will receive a specified marks penalty per (part or full) day late.

Group work is to be shared equally among members of the group. However, peer marking may apply. All assessed work may be reviewed against electronic source material using computerised detection mechanisms. Upon reasonable request, students will be required to provide an electronic version of their work for computerised review.

Participation marks will be awarded for participation in the case exercises and presentations in the labs each week. These marks will provide a maximum of 4% of the final grade.

A 90-minute (plus five minutes reading time) closed-book, mid-semester test (worth 20% of the course grade) will be held.

A 3-hour closed-book Final Examination (worth 45% of the course grade) will be conducted during exam week. The exam emphasises the integration of concepts discussed in the course.

Assignment Assessment	16%	Writing and analysis skills (2 @ 8%)
Participation	4%	Presentation and discussion skills
Case Study	15%	Business application skills (groups of 3)
Test	20%	Application of topics until week 6
Exam	45%	Application of all topics
Total	100%	

Further details on these assessments will be provided via CANVAS and at our first lecture.

A student must pass the final exam to be eligible to pass the course.

The broad relationship between assessments and the learning outcomes is as follows:

Learning Outcome	Assignments	Lab Participation	Case Study	Mid-Semester Test	Exam
1	x		x	x	x
2	x			x	x
3		x	x	x	x
4	x	x			

Students are expected to familiarise themselves with the section on Cheating and Plagiarism in the course book (inside the cover page).

In the Event of an Unexpected Disruption

We undertake to maintain the continuity and standard of teaching and learning in all your courses throughout the year. If there are unexpected disruptions the University has contingency plans to ensure that access to your course continues and your assessment is fair, and not compromised. Some adjustments may need to be made in emergencies. In the event of a disruption, the University and your course coordinators will make every effort to provide you with up to date information via canvas and the university web site.

Inclusive Learning

Students are urged to discuss privately any impairment-related requirements face-to-face and/or in written form with the course coordinator, tutor and/or lecturer.