

MOS 330b-650: Operations Management

ONLINE 2008

<http://owl.uwo.ca/>

Management and Organizational Studies

Faculty of Social Science

The University of Western Ontario

Operations is about transforming inputs into finished goods and services. This constitutes the primary activity of virtually every organization. Hence, acquiring skills in operations management becomes essential for every manager whether or not he/she is pursuing a career directly in operations.

- Course Objectives:**
- To gain understanding of fundamental concepts and techniques (quantitative models) involved in Operations Management
 - To develop awareness related to managerial issues and current trends/challenges in operations

- General Coverage:**
- Supply chain management - supply chain, inventory management, forecasting
 - Planning - aggregate planning, MRP, ERP, scheduling, project management
 - Process and quality - process and product design, just-in-time systems, total quality management, statistical quality control

Instructors					
Rick Burjaw					
Lecture Time & Location					
Section 1	Section 2	Section 3	Section 4	Section 5	Section 650 Online
Regular Office Hours					
					Wed/Thur/Fri

- Pre-requisite:**
- BUS 257
- Unless you have either the requisites for this course or written special permission from your Dean to enrol in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

- Lecture Notes:**
- Copies of the notes are available for purchase at the Book Store (University Community Centre, Lower Level)
- The notes are provided to students in order to reduce writing time and increase thinking/discussion time in classroom. The notes contain the essential course material, but they do *not* contain everything that will be discussed in class. The textbook is supplementary to the lecture notes.

- Textbook:**
- Reid & Sanders, *Operations Management*, 3rd edition, John Wiley & Sons, Customized version for MOS 330
- 2 copies are available on The D.B. Weldon Library 2-hour course reserve -- reference number **HD31.R442 2005**

Web Page: <http://mos.uwo.ca/courses/330/>

- Check here for exam and group presentation information, exam review problems and their solutions, and general course information

Exam Style:

- Mixture of calculation, multiple choice and short answers
 - Closed book and no crib sheet -- formula sheet will be provided
- Multiple choice questions in the exams will be graded via computer software and may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating

Academic Offences: Scholastic offences (e.g., plagiarism) are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence at www.uwo.ca/univsec/handbook/appeals/scholoff.pdf

Grading Scheme:

Test 1*	25%	Wed., Feb. 6th 5:30-7:30, TC 348a & b
Test 2*	25%	Wed., March 12th 5:30pm to 7:30pm TC 348a & b
Final exam*	35%	To be announced by the Registrar's Office-to be done with all sections
Group research paper	10%	Form your group by Friday, January 25 <ul style="list-style-type: none"> • 4-5 people per group, from the online section Papers can be submitted when done, but the absolute deadline for ALL PAPERS is Friday April 4 th . <ul style="list-style-type: none"> • See the course web site for more information
Participation	5%	Based on the submission of all examples listed and handed in on time. All examples are located in the lecture notes and marked on the following weekly outline.

* Missed exams will receive zero marks unless a legitimate excuse is provided by the student and a makeup exam is scheduled by the instructor.

Weekly Schedule (guideline only; subject to change):

Week Beginning	Topic/Event	Textbook Required Reading	Textbook Learning Objectives
Jan. 7-11	Course information Introduction to Operations Mgmt.	Ch 1: pp.1-20 Ch 2: pp.26-42	p.1: #1-4, 6, 7 p.26: #3, 4, 6, 8
Jan. 14-18	Supply Chain Management	Ch 4: pp.97-110, 114-122	p.97: #2-4, 6, 8, 10, 14
Jan. 21-25	Inventory Management 4 examples to hand in by Friday	Ch 12: pp.417-420, 425-446, 449-451	p.417: #1, 2, 4-8, 10, 11
Jan. 28-1	Forecasting 8 examples to hand in by Friday	Ch 8: pp.252-275, 279-283	p.252: #1-5, 7, 8
Feb. 4-8	Test #1-Wed.Feb 6 5:30-7:30-TC 348 Aggregate Planning 8 examples to hand in by Friday	Ch 13: pp.467-489 Ch 9: pp.302-309	p.467: #1-4, 6 p.302: #1
Feb. 11-15	Material Requirements Planning 2 examples to hand in by Friday	Ch 14: pp.528-536, 540	p.520: #4-10
Feb. 18-22	Scheduling Enterprise Resource Planning	Ch 15: pp.556-560, 564-571, 575-578 Ch 14: pp.520-527	p.556: #1, 3, 4, 6, 7 p.520: #1, 2, 11
Break Week			
Mar. 3-7	Project Management	Ch 16: pp.593-597	p.593: #1-4
Mar. 10-14	Test #2-March 12th. 5:30-7:30, TC 348 Process Design	Ch 3: pp.53-61, 63-68, 78-83 Ch 10: pp.343-350	p.53: #1, 2, 4, 7 p.343: #1, 2, 6, 7
Mar. 17-21		Ch 7: pp.219-244	p.219: #1-6

	Just-In-Time Systems	Ch 11: pp.380-386	p.380: #1, 2
Mar.24-28	Quality	Ch 5: pp.136-142, 150-153	p.136: #2, 4, 6
Mar. 31-4	Statistical Process Control Research papers Due 4 examples to hand in by Friday	Ch 6: pp.171-190, 195-197	p.171: #1-7, 9
Apr. 7-9	Total Quality Management	Ch 5: pp.142-150, 159-162	p.136: #1, 3, 5, 7

FINAL EXAM TBA