

# MOS 3330b: Operations Management

## Winter 2010

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				
<b>Rick Burjaw</b> (course coordinator) SSC 2206 519-661-2111 ext. 87273 rburjaw@uwo.ca			<b>Kevin Thompson</b>  SSC 2231 519-661-2111 ext. 85040 kthomp65@uwo.ca	
Lecture Time & Location				
<b>Section 1</b> W9:30-11:30 TH 3102  F9:30-10:30 TC 205	<b>Section 2</b> W12:30-1:30 TC 202  F11:30-1:30 TC 202	<b>Section 3</b> W2:30-4:30 SSC 3010  F10:30-11:30 TC 205	<b>Section 650</b> <i>(online)</i>	<b>Section 4</b> W11:30-12:30 SH 3345  F11:30-1:30 SH 3345
Regular Office Hours				
<b>Same for on-campus and online students:</b> Wed. 8:30-9:20 & 1:30-2:20 Fri. 8:30-9:20 Other times by appointment			Tue. 2:30-3:15 Wed. 10:00-11:15&6:00-7:00 Fri. 10:00 -11:15 Other times by appointment	

**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:**

- Required - **obtain a copy ASAP and bring it to every class**
  - 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:**

Operations Management, by Reid & Sanders, 3<sup>rd</sup> edition, customized version

**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](http://www.uwo.ca/univsec/handbook/appeals/scholoff.pdf)

**Grading Scheme:**

Test 1*	25%	<b>Wed., February 3, 6:00-8:00pm (NS 1 &amp; one room in SSC)</b>
Test 2*	25%	<b>Wed., March 10, 6:00-8:00pm (NS 1 &amp; one room in SSC)</b>
Final exam*	35%	To be announced by the Registrar's Office
Group presentation**	10%	<b>Form your group by Friday, January 29</b> <ul style="list-style-type: none"><li>• 4-5 people per group, from the same section</li><li>• See the course web site for more information</li></ul>
Presentation participation**	5%	See the course web site for more details

\* Missed exams will receive zero marks unless a legitimate excuse is provided by the student and a makeup exam is scheduled by the instructor. The date and time of the makeup exam will not be arranged prior to the original test date.

\*\* Zero marks in presentation participation may result in zero marks for the group presentation.

**Weekly Schedule (guideline only; subject to change):**

<b>Week Beginning</b>	<b>Lecture Topic (guideline only; subject to change)</b>	<b>Event</b>
Jan. 4	Course information Introduction to Operations Management	Jan. 4: First day of classes
Jan. 11	Supply Chain Management	
Jan. 18	Inventory Management	
Jan. 25	Forecasting	
Feb. 1	Aggregate Planning	<b>FEB. 3: TEST 1</b>
Feb. 8	Material Requirements Planning (MRP)	
Feb. 15	<b>Conference Week</b>	Feb. 15: Family Day
Feb. 22	MRP, Scheduling Enterprise Resource Planning (ERP)	
Mar. 1	ERP, Project Management	Group presentations
Mar. 8	Process Design	<b>MAR. 10: TEST 2</b>
Mar. 15	Just-In-Time Systems	Group presentations
Mar. 22	Quality	Group presentations
Mar. 29	Statistical Process Control	Group presentations Apr. 2: Good Friday
Apr. 5	Total Quality Management	Group presentations Apr. 9: End of classes

**GENERAL INFORMATION:** If, on medical or compassionate grounds, you are unable to meet your academic responsibilities, i.e., unable to write term tests or final examinations or complete course work by the due date, you should follow the instructions listed below. You should understand that academic accommodation will not be granted automatically on request. You must demonstrate that there are compelling medical or compassionate grounds that can be documented before academic accommodation will be considered. Read the instructions carefully. In all cases, action must be taken at the earliest possible opportunity, preferably prior to the scheduled examination, test or assignment.

1. Check the course outline to see if the instructor has a policy for missed tests, examinations, late assignments or attendance. The course outline should include the preferred method of contact (e-mail, phone, etc.).
2. Inform the instructor prior to the date of the scheduled time of the test or examination or due date of the assignment. If you are unable to contact the instructor, leave a message for him/her at the department office.
3. Bring your request for accommodation to the Social Science Academic Counselling Office, Room 2105, Social Science Centre, telephone 519 661-2011 or fax 519 661-3384. Be prepared to submit documentation of your difficulties.
4. If you decide to write a test or an examination you should be prepared to accept the mark you earn. Rewriting tests or examinations or having the value of the test or examination reweighted on a retroactive basis is not permitted.

#### **TERM TESTS and MID-TERM EXAMS**

1. If you are unable to write a term test, inform your instructor (preferably prior to the scheduled date of the test). If the instructor is not available, leave a message for him/her at the department office.
2. Be prepared, if requested by the instructor, to provide supporting documentation. Submit your documentation to the Social Science Academic Counselling Office.
3. Make arrangements with your professor to reschedule the test.
4. The Academic Counselling Office will contact your instructor to confirm your documentation.

#### **FINAL EXAMINATIONS**

1. You require the permission of the Dean, the instructor, and the Chair of the department in question to write a special final examination.
2. If you are unable to write a final examination, contact the Social Science Academic Counselling Office in the first instance to request permission to write a special final examination and to obtain the necessary form. You must also contact your instructor at this time. If your instructor is not available, leave a message for him/her at the department office.
3. Be prepared to provide the Social Science Academic Counselling Office and your instructor with supporting documentation.
4. You must ensure that the Special Examination form has been signed by the instructor and Department Chair and that the form is returned to the Social Science Academic Counselling Office for approval without delay.

#### **LATE ASSIGNMENTS**

1. Advise the instructor if you are having problems completing the assignment on time (prior to the due date of the assignment).
2. Submit documentation to the Social Science Academic Counselling Office.
3. If you are granted an extension, establish a due date.
4. Extensions beyond the end of classes must have the consent of the instructor, the Department Chair and Dean. A Recommendation of Incomplete form must be filled out indicating the work to be completed and the date by which it is due. This form must be signed by the student, the instructor, the Department Chair, and the Dean's representative in the Academic Counselling Office.

**SHORT ABSENCES:** If you miss a class due to a minor illness or other problems, check your course outlines for information regarding attendance requirements and make sure you are not missing a test or assignment. Cover any readings and arrange to borrow notes from a classmate.

**EXTENDED ABSENCES:** If you are absent more than approximately two weeks or if you get too far behind to catch up, you should consider reducing your workload by dropping one or more courses. This must be done by the appropriate deadlines. (Refer to the Registrar's website for official dates.) The Social Science Academic Counsellors can help you to consider the alternatives. At your request, they can also keep your instructors informed of your difficulties.

#### **DOCUMENTATION**

- **Personal Illness:** If you consulted Student Health Services regarding your illness or personal problem, you should complete a Records Release Form at the time of your visit allowing them to notify Social Science Academic Counselling Office. Once your documentation has been assessed, the academic counsellor will inform your instructor that academic accommodation is warranted.
- If you were seen by an off-campus doctor, obtain a certificate from his/her office at the time of your visit. The doctor must provide verification of the severity of the illness for the period in question. Notes stating "For Medical Reasons" are not considered sufficient.
- **In Case of Serious Illness of a Family Member:** Obtain a medical certificate from the family member's physician.
- **In Case of a Death:** Obtain a copy of the newspaper notice, death certificate or documentation provided by the funeral director.
- **For Other Extenuating Circumstances:** If you are not sure what documentation to provide, ask an Academic Counsellor.

**Note:** Forged notes and certificates will be dealt with severely. To submit a forged document is a scholastic offense and you will be subject to academic sanctions.

#### **ACADEMIC CONCERNS**

- You need to know if your instructor has a policy on late penalties, missed tests, etc. This information may be included on the course outline. If not, ask your instructor.
- You should also be aware of attendance requirements in courses such as Business and English. You can be debarred from writing the final examination if your attendance is not satisfactory.
- If you are in academic difficulty, check the minimum requirements for progression in your program. If in doubt, see your Academic Counsellor.
- If you are registered in Social Science courses but registered in another faculty (e.g., Arts or Science), you should immediately consult the Academic Counselling Office in your home faculty for instructions.