




# Business Administration

Course Number:	<b>BUAD 382</b>
Course Title:	<b>OPERATIONS MANAGEMENT</b>
Credits:	3
Calendar Description:	Providing goods or services requires considerable management effort in selecting appropriate processes, determining inventory needs and procedures, sizing productive capacity, determining workforce levels, and assuring quality in the end product or service. This course investigates the decisions required by management and the quantitative and qualitative techniques applicable to the decision process. Emphasis is on forecasting, resource planning, lean systems, project management, process selection, layout, location, and planning.
Semester and Year:	<b>WINTER 2022</b>
Prerequisite(s):	MATH 114, BUAD 128, 264, STAT 121 or 124
Corequisite(s):	No
Prerequisite to:	No
Final Exam:	Yes
Hours per week:	3
Graduation Requirement:	Elective – Diploma, Management option Required – BBA, Management option
Substitutable Courses:	No
Transfer Credit:	CMA and PMAC
Special Notes:	Students with credit for BUAD 282 may not take BUAD 382 for additional credit.
Originally Developed:	September 2009
EDCO Approval:	November 2009
Chair's Approval:	

**Professors**

Name	Phone number	Office	Email
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**Learning Outcomes**

Upon completion of this course students will be able to

- explain how operations strategy is a pattern of decisions about processes and supply chains that achieves an organization's competitive priorities.
- describe major decisions that define process configuration and how each relates to customer value.
- identify systematic approaches to capacity planning, inventory management, quality designing a layout, managing demand, scheduling and resources to improve an organization's performance.
- solve production, operational and service problems using MS Excel templates.

**Course Objectives**

This course will cover the following content:

- Apply and use systematic methodologies to solve operational problems
- Identify and apply appropriate techniques for managing business operations and correctly analyze and interpret the results through critical thinking
- Use management of processes, demand, quality, inventory, scheduling, layout & location to guide specific operational decision making
- Use MS Excel templates to understand operational problems and insert appropriate statistical functions where appropriate in Excel
- Solve typical problems using formulas and tables

**Evaluation Procedure**

Assignments	25%
Mid-term Exam	35%
Final Exam (Cumulative)	40%
Total	100%

**Notes**

Readings and Quizzes are required to be complete prior to the class.

Assignments are due on or before the posted due date. 10% per day reduction in grade for late submissions.

**Required Texts/Resources**

Operations Management Seventh Canadian Edition, Stevenson, Hojati, CAO, Mottaghi and Bakhtiari, McGraw Hill 2021

MS OFFICE, EXCEL and Word (Available on Lab Computers)

Course Schedule

Date		Topic	Textbook
2022 Week of		Wednesday, January 5 - Classes Start Monday, February 21 - Statutory Holiday (no classes) Tuesday, February 22 – Friday, February 25 Mid-semester study break (no classes) Friday, April 8 – Last Day of Regular Classes Friday, April 15 – Monday, April 18 – Statutory Holidays	
1	2 Jan	Orientation to Class Structure Introduction to Operations Management	Chapter 1
2	9 Jan	Competitiveness, Strategic Planning and Productivity	Chapter 2
3	16 Jan	Process Design and Facility Layout	Chapter 6
4	23 Jan	Location Planning and Analysis	Chapter 8
5	30 Jan	Demand Forecasting	Chapter 3
6	6 Feb	Strategic Capacity Planning	Chapter 4
7	13 Feb	Management of Quality Statistical Quality Control	Chapter 9 Chapter 10
8	20 Feb	<b>Applied Project Part 1 Due February 19<sup>th</sup> 23:59</b> <b>Feb 21 Family Day, Feb 22-25 Mid Semester Break No Classes</b>	
9	27 Feb	Mid Term Content Lecture Lab Ch 1, 2, 6, 8, 3, 4 9 and 10	<b>MidTerm</b>
10	6 March	Inventory Management	Chapter 11
11	13 Mar	Aggregate Operations Planning and Master Scheduling Job Staff Scheduling	Chapter 12 Chapter 16
12	20 Mar	Materials Requirements Planning and Enterprise Resource Planning	Chapter 13
13	27 Mar	Just in Time and Lean Production <b>Applied Project Part 2 Due April 2 23:59</b>	Chapter 14
14	3 Apr	<b>Wrap Up and Review Material</b> <b>April 8 Last Day of Regular Classes</b>	
Apr		Final Exam Schedule Exam Date TBD	

Notes: Chapter 4 omitted Product and service design.

## **SKILLS ACROSS THE BUSINESS CURRICULUM**

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The Okanagan School of Business promotes core skills across the curriculum. These skills include reading, written and oral communications, computers, small business, and academic standards of ethics, honesty and integrity.

## **STUDENT CONDUCT AND ACADEMIC HONESTY**

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### **What is the Disruption of Instructional Activities?**

At Okanagan College (OC), disruption of instructional activities includes student “conduct which interferes with examinations, lectures, seminars, tutorials, group meetings, other related activities, and with students using the study facilities of OC”, as well as conduct that leads to property damage, assault, discrimination, harassment and fraud. Penalties for disruption of instructional activities include a range of sanctions from a warning and/or a failing grade on an assignment, examination or course to suspension from OC.

### **What is Cheating?**

“Cheating includes but is not limited to dishonest or attempted dishonest conduct during tests or examinations in which the use is made of books, notes, diagrams or other aids excluding those authorized by the examiner. It includes communicating with others for the purpose of obtaining information, copying from the work of others and purposely exposing or conveying information to other students who are taking the test or examination.”

Students must submit independently written work. Students may not write joint or collaborative assignments with other students unless the instructor approves it in advance as a group/team project. Students who share their work with other students are equally involved in cheating.

### **What is Plagiarism?**

Plagiarism is defined as “the presentation of another person’s work or ideas without proper or complete acknowledgement.” It is the serious academic offence of reproducing someone else’s work, including words, ideas and media, without permission for course credit towards a certificate, diploma, degree and/or professional designation. The defining characteristic is that the work is not yours.

“Intentional plagiarism is the deliberate presentation of another’s work or ideas as one’s own.” Intentional plagiarism can be a copy of material from a journal article, a book chapter, data from the Internet, another student, work submitted for credit in another course or from other sources.

“Unintentional plagiarism is the inadvertent presentation of another’s work or ideas without proper acknowledgement because of poor or inadequate practices. Unintentional plagiarism is a failure of scholarship; intentional plagiarism is an act of deceit.”

### **What are the Students’ Responsibilities to Avoid Plagiarism?**

Students have a responsibility to read the OC Plagiarism Policy and Procedures outlined in the OC calendar, which is available in online format [www.okanagan.bc.ca](http://www.okanagan.bc.ca). Students must acknowledge the sources of information used on all their assignments. This usually involves putting the authors’ name and the year of publication in parentheses after the sentence in which you used the material, then at the end of your paper, writing out the complete references in a Reference section.

“Students are responsible for learning and applying the proper scholarly practices for acknowledging the work and ideas of others. Students who are unsure of what constitutes plagiarism should refer to the UBC publication “*Plagiarism Avoided; Taking Responsibility for your Work*”. This guide is available in OC bookstores and libraries.

Students are expected to understand research and writing techniques and documentation styles. The Okanagan School of Business requires the use of the APA or MLA style, but suggests that students cite references using the APA guidelines (see Publication Manual of the American Psychological Association, 7<sup>th</sup> edition (2019)). A copy of the APA manual is available in the reference section and also available for circulation from OC libraries. The library website has access to these two major citing styles.

### **What are the Penalties for Plagiarism and Cheating?**

The Okanagan School of Business does not tolerate plagiarism or cheating. All professors actively check for plagiarism and cheating and the Okanagan School of Business subscribes to an electronic plagiarism detection service. All incidents of plagiarism or cheating are reported and result in a formal letter of reprimand outlining the nature of the infraction, the evidence and the penalty. The Dean of the Okanagan School of Business and the Registrar record and monitor all instances of plagiarism and cheating. Penalties for plagiarism and cheating reflect the seriousness and circumstances of the offence and the range of penalties includes suspension from OC.