

# ALLIANCE UNIVERSITY COLLEGE



# NAZARENE UNIVERSITY COLLEGE

## **BUS 371 *Operations Management* (3 credit hours) Winter 2007**

### **Class Schedule:**

Tuesday & Thursdays 9:30AM – 11:00PM  
Class Location: Room 529

### **Instructor Information:**

David Adams, BBA, MBA, CA, CPA, CMA (Hon.)  
Office: Room 641  
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### **Course Description:**

Production and operations management is concerned with the economic use of inputs (human, material, facilities, equipment and information) to create goods and services that will satisfy the perceived wants of customers. Successful management requires optimal decision-making to determine how best to design and operate a system economically.

We will consider several of the major problem issues that typically arise in the management of both manufacturing and service organizations, and we will examine several alternative approaches to the solution of these issues. We will be taking a broad view of production/operations management as opposed to developing significant in-depth expertise in one or more areas.

A simulation, *PROSIM*, will be incorporated into the course and used to reinforce the integrative nature of operations decision making, as well as the close relationship that must exist between operations management and the functional areas of marketing and finance

### **Required Textbook:**

*Operations Management*, 2<sup>nd</sup> Canadian Edition, Stevenson and Hojati, McGraw-Hill Ryerson, 2004.

Students will also be required to purchase a student diskette of the PROSIM simulation at a nominal cost.

### **Course Requirements:**

All classes are lecture based. Problems and cases will be assigned on a regular basis and are designed to reinforce course material. There will be group research projects involving a simulation.

The quizzes and final exam will be designed to test the conceptual understanding and procedural application of the material covered during the course, and will be patterned after the in-class and assigned exercises and problems. The following is a summary of all evaluation methods and relative weights for the course:

<b>Evaluation Method</b>	<b>Weight</b>	<b>Date</b>	<b>Material/Due Date</b>
Quiz #1	10%	Thursday, Mar. 1	Chapters 1, 5, 4, 8, 6
Quiz #2	10%	Thursday, Mar. 22	Chpts. 2, 14, 15, 13
Simulation (in Groups)	30%	Starts Mar. 1	TBA
Assignments	15%	TBA	TBA
Final exam	35%	TBA	Chapters 8 – 14

**Examinations:**

Final examinations are held during a scheduled time at the end of the semester for regular semester classes and are scheduled by the Registrar. Graded final examinations will be available for supervised review at the request of the student.

**Grading Scale:**

The available letters for course grades are as follows:

<u>% Grade</u>	<u>Letter Grade</u>	<u>Description</u>
95% to 100%	A+	Excellent
90% to 94%	A	
85% to 89%	A-	Good
80% to 84%	B+	
76% to 79%	B	
72% to 75%	B-	Satisfactory
68% to 71%	C+	
64% to 67%	C	Minimal Pass
60% to 63%	C-	
55% to 59%	D+	
50% to 54%	D	
0% to 49%	F	Failure

**Other Information:**

Students, who are unable to write a quiz, will have its weighting added to that of the final exam, provided they have a valid reason supported with proper documentation; otherwise, they will receive a mark of zero.

It is the responsibility of all students to become familiar with and adhere to the academic policies as stated in the current Student Handbook and Academic Calendar. In particular, students are to note academic regulation #34 - Academic Dishonesty.

## COURSE OUTLINE & SCHEDULE

#	Date	Day	Topic	Read
1	11-Jan-07	Th	Course Overview & Intro. To Operations Mgmt	Ch 1
2	16-Jan-07	T	Capacity Planning	Ch 5
3	18-Jan-07	Th	System Design	Ch 4
4	23-Jan-07	T	System Design	Ch 4
5	25-Jan-07	Th	Facility Location	Ch 8
6	30-Jan-07	T	Facility Location	Ch 8
7	01-Feb-07	Th	Facility Layout	Ch 6
8	06-Feb-07	T	Facility Layout	Ch 6
9	08-Feb-07	Th	Review	Ch 1, 5, 4, 8, 6
10	13-Feb-07	T	Quiz #1	Ch 1, 5, 4, 8, 6
11	15-Feb-07	Th	Demand Forecasting	Ch 3
12	20-Feb-07	T	MID-SEMESTER BREAK	
13	22-Feb-07	Th		
14	27-Feb-07	T	Aggregate Production Planning	Ch 14
15	01-Mar-07	Th	Intro to PROSIM Simulation	
16	06-Mar-07	T	NO CLASS: Community Day – Department Emphasis	
17	08-Mar-07	Th	Materials Requirements Planning	Ch 15
18	13-Mar-07	T	Inventory Management	Ch 13
19	15-Mar-07	Th	Inventory Management	Ch 13
20	20-Mar-07	T	Review	Ch 3, 14, 15, 13
21	22-Mar-07	Th	Quiz #2	Ch 3, 14, 15, 13
22	27-Mar-07	T	Just-in-Time Systems	Ch 16
23	29-Mar-07	Th	Design of Work Systems	Ch 7
24	03-Apr-07	T	Scheduling	Ch 17
25	05-Apr-07	Th	Project Management	Ch 18
26	10-Apr-07	T	Quality Management	Ch 9 – 11
27	12-Apr-07	Th	Quality Management	Ch 9 – 11
28	17-Apr-07	T	Review for Final Exam	
	20-Apr-07	F	FINAL EXAMINATIONS	
	25-Apr-07	W		