

Moravian College

Spring 2006

Management 260: Production & Operations (Sections A & B)

Dr. George Brower Comenius Hall 212 610-861-1379 browerg@moravian.edu

Class Hours	Mon	Tue	Wed	Thu	Fri
Section A	I am on campus on Mon or Fri	8:50 – 10:00		8:50 – 10:00	I am on campus on Mon or Fri
Section B	or both – call,	10:20 – 11:20		10:20 – 11:20	or both – call,
Office Hours	email, or check my office.	11:30 – 12:00	11:00 – 12:00	11:30 – 12:00	email, or check my office.
		1:00 – 2:00		1:00 – 2:00	

You are welcome to make an appointment for a different, mutually convenient time.
These hours and any changes to them will be posted on my office door.

Course Prerequisites: Students enrolled in MGMT 260 must have completed (passed) ECON 152 (Principles of Economics) and ECON 156 (Economic and Business Statistics). I recommend, as the Moravian College Catalog states, that students complete ECON 225 (Intermediate Microeconomics) before taking MGMT 260.

Course Goals: Production & Operations Management develops students' ability to apply economics, management, and statistics to unfamiliar problems using graphic and quantitative methods. The course uses problems of process improvement, scheduling, inventory control, and other topics to:

- I. Apply your ability to use concepts and tools that were introduced in Principles of Economics (and developed in Intermediate Microeconomics) including:
 - A. Preference and constraint applied to production,
 - B. Graphic analysis, and
 - C. Elasticities;
- II. Apply your ability to use concepts and tools that were introduced in Economic and Business Statistics including:
 - A. Confidence intervals,
 - B. Hypothesis testing, and
 - C. Forecasting; and
- III. Develop your ability to use additional concepts and tools, including:
 - A. Using and building spreadsheets to solve quantitative problems and
 - B. Using and building databases to manage data.

Required Text:

Reid, R. Dan and Nada R. Sanders (2005) *Operations Management: An Integrated Approach, second edition*. Hoboken, NJ: John Wiley & Sons, Inc. (ISBN 0-471-74527-8)
Website: <http://bcs.wiley.com/he-bcs/Books?action=index&itemId=0471347248&bcsId=1982>

Class Preparation, Homework, Study, and Project Time: Colleges and their faculties expect typical full-time students to devote 40 – 50 hours per week to their courses. Under Moravian College's unit system, full-time students typically enroll in four courses each semester, so they should spend 10 – 12 hours per week on each course. After class meetings of about 3 hours, they have about 8 hours per week for class preparation, homework, study, and projects per course. Students who find a course more challenging than usual may have to devote more time to it.

Attendance Policy: I take attendance at the beginning of each class to:

1. Know which students are present and ready to begin work at the scheduled time and
2. Assist the Academic Affairs Office in financial aid matters when a student withdraws.

Each day that you are on time adds about 1/3 of 1.0% (0.357%) to your total points for the course. Being on time for four days adds about 1.0% (1.07%). Attendance points affect course grades directly (more are better) and through the benefit of the doubt. I am more inclined to give the benefit of the doubt to students with nearly enough points for the next higher grade if they have demonstrated courtesy and interest by being on time.

This is not a cut policy as I understand that term. Such policies reduce a student's grade after a few absences or tardies, often three or four. The policy stated here would lower a student's course grade by itself only after more than 9 absences or tardies of the 28 scheduled class meetings, which is 1/3 of the total. Students with so many absences or tardies have usually given other signs of academic difficulty.

Learning and Other Disabilities Policy: Any student who wishes to disclose a disability and request accommodations under the Americans with Disabilities Act (ADA) for this course **must** meet with either Mrs. Laurie Roth in the Office of Learning Services (for learning disabilities and/or ADD/ADHD) or Dr. Ronald Kline in the Counseling Center (for all other disabilities) before doing so.

Academic Honesty Policy: Students are responsible for understanding and abiding by the current version of the College's Academic Honesty policy. The policy is published annually in the Student Handbook and is on line at .

You may find it valuable to study in groups. I encourage you to do so, *but all material you turn in for evaluation must be the result of your own work*. Do not let enthusiasm in a group study session lead you to turn in material that appears to have been shared or the work of more than one person.

Course Grades and Grade Scale:

Process Improvement Homework	5%	Tuesday 14 February
Process Improvement Exam	15%	Thursday 16 February
Inventory Management Homework	5%	Tuesday 16 March
Inventory Management Exam	15%	Thursday 21 March
Database Project	20%	Friday 21 April
Scheduling Homework	5%	Tuesday 25 April
Final Exam – ½ Scheduling, ½ Cumulative	30%	To be determined
Attendance	10%	
Total	100%	

Interested in extra credit? Ask me about independent study!

Students who earn at least	93.33%	of total course points will receive an	A,
	93.00%		A-,
	86.67%		a B+,
	83.33%		B, and so on.

Notes:

1. Grading student assignments and course work requires qualitative judgments that are not easily translated to a numeric scale. Please see me *during office hours* if you have questions about an assignment or exam grade or your grade for the course.
2. This syllabus and the attached calendar may change. Any changes will be distributed in class before they take effect. Students are responsible for using the current versions when they prepare assignments or study for exams, including any changes in due dates.
3. A copy of this syllabus is on file in the Academic Affairs Office, Monocacy Hall

MGMT 260: Production & Inventory Management							
wkD	Date	Topic	Chapter(s) – Read for the 1st Assigned Day	puter	Attend	Other	Cum
2	16 Jan	First classes					
3	17 Jan	Course Introduction			0.36%		0.357%
5	19 Jan	Process Improvement	Strategy, Competitiveness, & the Supply Chain		0.36%		0.714%
3	24 Jan		Supply Chains & Databases (DB)	DB	0.36%		1.071%
5	26 Jan		Project Management & Spreadsheets (SS)	SS	0.36%		1.429%
3	31 Jan				0.36%		1.786%
5	02 Feb		Total Quality Management		0.36%		2.143%
3	07 Feb		Statistical Quality Control	SS	0.36%		2.500%
5	09 Feb				0.36%		2.857%
3	14 Feb	Homework Due	Review		0.36%	5.00%	8.214%
5	16 Feb		Exam		0.36%	15.00%	23.571%
3	21 Feb	Inventory Management	Just-in-Time & Forecasting	SS + DB	0.36%		23.929%
5	23 Feb				0.36%		24.286%
6	24 Feb	Midterm					
3	28 Feb		Capacity, Location, Layout, & Work Systems		0.36%		24.643%
5	02 Mar		Independent Demand	SS + DB	0.36%		25.000%
2	06 Mar - 10 Mar		Spring Recess – No Class				
3	14 Mar				0.36%		25.357%
5	16 Mar	Homework Due	Review		0.36%	5.00%	30.714%
3	21 Mar	Exam	Exam		0.36%	15.00%	46.071%
5	23 Mar	Scheduling	Aggregate Planning	SS + DB	0.36%		46.429%
3	28 Mar				0.36%		46.786%
5	30 Mar				0.36%		47.143%
6	31 Mar	W-day					
3	04 Apr		Resource Planning	SS + DB	0.36%		47.500%
5	06 Apr				0.36%		47.857%
3	11 Apr		Scheduling	SS + DB	0.36%		48.214%
5	13 Apr				0.36%		48.571%
6	14 Apr - 17 Apr		Easter recess				
3	18 Apr				0.36%		48.929%
5	20 Apr				0.36%		49.286%
6	21 Apr		Database Project Due			15.00%	64.286%
3	25 Apr	Homework Due	Review		0.36%	5.00%	69.643%
5	27 Apr	Course Conclusion	Review		0.36%		70.000%
6	28 Apr	Last classes					
2	01 May - 05 May		Final Exam – Date, Time, & Place T.B.A.			30.00%	100.000%
					10.00%	90.00%	100.000%
6	12 May	Baccalaureate					
7	13 May	Graduation					