

## ENMA 613: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Spring 2006  
Wednesday, 7:10 – 9:50 PM  
Broadcast from ODU, Gornito building, Room 219

---

**Instructor:** Dr. Ghaith Rabadi  
**E-mail:** [grabadi@odu.edu](mailto:grabadi@odu.edu)  
**Phone:** (757) 683-4918  
**Fax:** (757) 683-5640  
**Office:** Kaufman Hall, Room 241-F  
**Office Hours:** Wednesday: 4:00-7:00 PM, Thursday 2:00-5:00 PM, or by appointment  
**Class Web Site:** <http://blackboard.odu.edu/>  
**Instructor Web Site:** <http://www.odu.edu/~grabadi/>  
**How to Login:** See the **Blackboard** section in this syllabus  
Login to Blackboard frequently for notes, downloads, announcements etc.

### TEXT:

- Supply Chain Management, 2<sup>nd</sup> Edition, Chopra and Meindl, Prentice Hall, Inc. 2004. ISBN 0-13-101028-X

### CLASS NOTES

- Class notes will be posted on the class web site. I will do my best to post the notes and any material needed one day before class. In some cases, it could be a few hours before class. Please print the notes out and bring them to class. I will *not* hand (or mail) out hard copies.
- The class involves some math, equations, graphs, etc. It will be difficult to type up notes for everything we do in class. Therefore, in addition to the posted notes I will be writing while lecturing and it is recommended that you take notes.

### CLASS PREREQUISITES

For students following 2004-2006 catalog, *ENMA 603: Operations Research* is a prerequisite for this course as there will be a great deal of modeling required especially for case studies. For those who have not had ENMA 603 (or an equivalent course in Operations Research), please contact me.

### SOFTWARE AND COMPUTER SKILLS

The main software tool that will be used is MS-Excel, and so, you should be comfortable using it especially setting up equations. Please make sure you have access to a recent version of Excel with (i) *Solver* and (ii) *Data Analysis* add-ins installed, which you should find under *Tools*. If you do not see them, go to *Tools >> Add-ins* and select both *Solver* and *Analysis Tool Pack*. If you do not see these two choices under Add-Ins, it means they were not installed when you installed Excel. Go back to your CD and reinstall these tools or contact your technical support person.

You must also be comfortable using word processing software such as MS-Word and be able to send and receive emails with attachments. Blackboard will be the main way of downloading and uploading documents and assignments. The **digital drop box** in Blackboard will be used to turn in your case studies.

### EMAIL

I will be communicating with all students using both Blackboard announcements and ODU email addresses. You need to activate your ODU email login for several reasons:

- 1) It is the same login and password for the Blackboard system, so you are going to need it anyway
- 2) You need it to do course evaluations by the end of the semester
- 3) Helps university reduce mailing expenses
- 4) Official university correspondence and important information being sent via email.
- 5) It's a university policy
- 6) Starting shortly student bill notifications will be sent via email to the student's ODU email account.

If you have not activated your student e-mail account it is about a 30 second process: go to <http://season.odu.edu> and follow the link at the upper left of the page for "REQUEST NEW E-MAIL OR LAN ACCOUNT"

If you already have your student e-mail account, but don't regularly check it, you can have the ODU e-mail automatically forwarded to any e-mail address you desire in less than 30 seconds. Just go to <http://season.odu.edu> and follow the link at the left of the page for "FORWARD E-MAIL TO ANOTHER ACCOUNT". All you need is your email account-id ("Account Name" = your id which is the part of your e-mail address that precedes the "@odu.edu") and password. Then just follow the directions.

If you send me an email from an address other than your ODU email account, I will reply to it. However, whenever I initiate an email message, I will use your ODU email address.

#### **USING BLACKBOARD:**

1. Access the system at: <http://blackboard.odu.edu/>
2. It is a requirement of all Blackboard courses that you have an Old Dominion University Student Midas account to access Blackboard. If you do not have a Midas account, you can request one at <https://midas.odu.edu>. Be prepared to complete the security profile in the event you lose or forget your password in the future. *It may take several hours for the information about a new account or password to become active in Blackboard, Therefore, please allow up to 24 hours before reporting any login problems to Customer Service.*
3. If you do not own a computer, you still have access to a computer through Old Dominion's computer labs. If you are a distance learning student at a TELETECHNET site, you also have access to a computer and e-mail capabilities at the site.
4. Course material will be posted under **Course Documents**
5. To upload your case studies, click on **Tools >> Digital drop Box >> Send files** (more instructions on assignment submission will be available for each case study individually)
6. If you never used Blackboard before, visit and read the student help page which could be found at:

***<http://www.odu.edu> > Current Students > Blackboard > Student Help***

#### **HOMEWORK AND CASE STUDIES**

- Problems and Discussion Questions by the end of each covered chapter are automatically assigned. Homework problems and questions will *not* be collected for grading, but it is necessary for you to do them as they help you understand the concepts we cover in class.
- Some homework problems will be discussed in class.
- Some case studies and papers will be discussed in class. They will be assigned ahead of time and/or announced on the web site. Students will be given enough time (and required) to read these cases before coming to class.
- Three cases studies will be required to be turned in for grading. These cases and their deadlines will be assigned ahead of time (in class and/or on the web site).

- Case studies can be selected from the textbook or can be external. They may be made available on the web site, or you will be given instructions on how to obtain them. Some of these cases may be downloadable for a fee. For example, if a Harvard Business Case is assigned, it typically runs for \$6 to buy or download a case. You will be given enough time and instructions to do that ahead of time.

**EXAMINATIONS:**

- There will be two in-class, open book, open notes exams.
- The final exam could be cumulative (decision will be announced after the midterm).

**GRADE DISTRIBUTION**

Three Case Studies	45 %
Midterm	25 %
Final Exam	30 %

**GRADING SCALE**

90-92	A-	93-100	A		
80-82	B-	83-86	B	87-89	B+
70-72	C-	73-76	C	77-79	C+
< 70	F				

**ACADEMIC INTEGRITY**

The Old Dominion honor system is in effect for all student work submitted during the course. In effect, this stipulates that lying, cheating or plagiarism are violations of the honor system and will be subject to disciplinary action. Violation of the honor code will not be tolerated. The punishment ranges from getting “F” in the course to being expelled.

**IMPORTANT DATES IN SPRING 2006**

---

January 7 (Saturday)	Classes begin
January 14-16 (Sat-Mon)	Martin Luther King, Jr. Holiday
March 6-11 (Mon-Sat)	Spring Holiday
March 14 (Tuesday)	Last day to withdraw from classes
April 16 (Sunday)	Easter - no classes held
April 25 (Tuesday)	Classes end
April 27 (Thursday)	Exams begin
May 4 (Thursday)	Exams end
May 6 (Saturday)	Commencement

---

**CLASS ATTENDANCE**

Class attendance is “expected”. If for some reason a student should miss a class, it is the *student’s* responsibility to:

1. Inform themselves of any administrative announcements (e.g. schedule changes) discussed during a session.
2. “Make-up” any of the course material covered in the session. This is of particular importance as there will be work presented in the sessions that may not be covered adequately in the textbook.

It is not necessary to inform me of an absence should a situation arise where attendance is not possible. Please note however, that *I reserve the right not to provide extensive information about what transpired in a class.*

### TENTATIVE CLASS SCHEDULE

Date	Topics	Material
January 11	Course Overview Understanding Supply Chains Supply Chain Performance	Syllabus Ch 1 Ch 2
January 18	Supply Chain Drivers and Obstacles	Ch 3
January 25	Networks Design in Supply Chains	Ch 5
February 1	Networks Design in Supply Chains	Ch 5
February 9	Forecasting	Ch 7
February 15	Forecasting	Ch 7
February 22	<b>Midterm (7:10 – 9:10)</b>	2 hours, Open book, Open notes
March 1	Exam Review and Aggregate Planning	Ch 8
March 8	Spring Break	—
March 15	Aggregate Planning (Cont'd)	Ch 8
March 22	Planning Supply and Demand	Ch 9
March 29	Inventory Management	Ch 10
April 5	Inventory Management	Ch 10
April 12	Coordination in Supply Chain	Ch 10+Ch16
April 19	Coordination in Supply Chain	Ch 16
May 3	<b>FINAL EXAM (7:10 – 9:10)</b>	2 hours, Open book, Open Notes