

**THE UNIVERSITY OF BRITISH COLUMBIA
FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION**

COMMERCE 441: ADVANCED BUSINESS LOGISTICS

FALL 2002 (Sept. 02 - Nov. 29)

Instructor:	Garland Chow		
Office:	Angus 461		
Hours:	M/W 10:00 - 11:00 a.m. and by appointment.....	Class room:	Angus 415
		Time:	M/W 8:30 – 10:00 a.m.
Telephone:	822-8328		
Fax:	822-9574		
E-mail:	garland.chow@commerce.ubc.ca		

Prerequisites: C399 or concurrent or equivalent.

Texts and Materials:

Required: R. Ballou, Business Logistics Management 4th edition (Prentice Hall, 1999), Note the text contains the CD ROM with all software programs used in the course.
Commerce 441 Outline, Readings, and Case Package.
Handouts will be distributed periodically.

Description:

Business Logistics is the set of activities involved in the flow of materials and products through an organization and through the supply chain to the market. This course examines and applies management tools and principles to these supply and distribution problems. Emphasis is first placed on developing a broad overview of the logistics field: what are its principle activities, decisions and how these activities produces value by supplying customer service through order fulfilment. Interfunctional coordination is reviewed by examining how logistics is coordinated or integrated with marketing and corporate strategy. Next, a thorough grounding in concepts, alternatives and tools for the primary activities of logistics: inventory, transportation, warehousing and order processing are presented. This provides the basis for examining issues in logistics system design, including stock location, sourcing, number and location of facilities and flow management. The organizational design of the logistics system across the internal supply chain is examined if time permits. Various problems and case assignments seek to encourage problem conceptualization, the application of quantitative methods, and the utilization of computing capability for solving logistics problems in specific areas and for designing the logistics system. A term project is used to allow students to: be proficient in one or more tools or process areas of business logistics, pursue a subject in depth, apply tools and principles to realistic problems and develop writing, oral and team skills.

Objectives of the Course:

To achieve an understanding of the business logistics concept. To see how logistics activities produce value in the business organization. To be familiar with analytical methods appropriate to logistics decision making. To be able to address real world problems in logistics (in particular) by applying the concepts and tools of business analysis. To increase logistics decision making effectiveness through experience in problem formulation and solution recommendation. To apply systems concepts to logistics problems. To integrate logistics strategy with marketing, production and corporate strategy. To achieve a proficiency in the application of one or more tools applicable to logistics problems. To have entry level proficiency in one or more logistics processes.

Your Instructor:

Dr. Garland Chow (B.S and MBA, U. of Maryland, D.B.A., Indiana University) is Associate Professor of Logistics and Transportation. See <http://www.commerce.ubc.ca/oplog/faculty/chow.html> for further details.

Class Meetings:

Class time will be devoted to topics appropriate to the reading and outline assignments for each class period. The reading assignments and classroom discussion of problems and cases are the core of your learning experience. Outline notes and chapter readings should be reviewed prior to each class. The class outline assigns questions and problems which become the basis for class discussion. Class lectures and discussions will focus upon:

- (1) the application of principles through problem solving and case analysis,
- (2) those areas where comprehension is substantially enhanced by additional elaboration and illustration, and/or those of a controversial nature

Grading:

1.	<u>Instrument</u>	<u>Weight</u>
	Assignments	20
	Midterm exam	20
	Final exam	25
	Term project	35
	Total	100
	Class Participation	+ or - 5

2. Examinations (45 percent)

One midterm examination is scheduled for Sept. 30th in class. You will be allowed to bring a help sheet with printed information on one side of an 8 ½ x 11 sheet of paper in addition to a calculator. The midterm is worth 20 percent.

The final examination is scheduled by the registrar and date and time will be announced. You will be allowed to bring a help sheet with printed information on one side of an 8 ½ x 11 sheet of paper in addition to a calculator. The final is worth 25 percent.

3. Class Participation (plus or minus 5 percent)

This course utilizes numerous case studies and small problem sets. Active participation is required by all class members to gain the most from these exercises. You are expected to come prepared including bringing your assignments (and a calculator in some cases) to each meeting.

At various times during the term, students will be asked to lead class discussion of selected questions. Students have been randomly pre selected for this portion of class participation.

Class participation is mandatory. Adequate participation results in no adjustment to term grade. Below average participation may result in up to 4 points deducted (from 100) and above average participation may result in up to 5 points added to your grade.

Adequate participation is measured by:

No more than 2 absences without official excuses.

Being able to respond adequately to questions posed by the instructor in proportion to the class size.

Asking critical and insightful questions in proportion to the class size.

4. Assignments (20 percent)

During the term, you will be required to complete one (1) 10 pt. assignments (out of Assignments 1 and 2) and one (1) 10 pt. assignment (out of assignments 3 and 4) for a total of 2 assignments.. Please do not confuse these assignments with practice problems or discussion questions that you are requested to complete for class discussion and preparation, and which are not graded.

All assignments will be collected as indicated. All late assignments without an official medical excuse or an approved excuse from the Commerce undergraduate office will have a 10 percent deduction per each day late.

Students are encouraged and allowed to work in teams of two. See note **About Teams**.

Where spreadsheets or other computer assisted analysis is used to complete the assignment, a disk should accompany the assignment containing the appropriate files and with clear documentation. All disks will be returned.

All assignments shall be typed out except for hand written computations that may be inserted. For some assignments it may be advantageous to attach the spreadsheet file or data input files used. I **do not** take written assignments by email, though I may request specific assignments by email or on disk later. This is due to varying formats and difficulties in downloading.

Pages should be 1.5 spaced, font size = 12, 1 inch margins or equivalent.

5. Term Project (35)

Students participating in **Advance Logistics Management** are required to complete a term project where they can apply the business tools and principles taught in the classroom or expand your knowledge in a specific tool or conceptual area of logistics. The primary learning objectives are:

Develop and encourage continuous learning skills. You will have to learn continuously to deal with new or constantly changing problems that you will be challenged with.

Develop critical thinking to be able to prioritize problems (root causes from symptoms), identify important from unimportant facts, recognize alternatives and evaluate courses of action.

Be able to offer to a prospective employer, a recognizable, well defined skill or ability.

As senior-undergraduates, you have completed most of your commerce courses such as marketing, accounting, industrial relations and other core areas. Thus you should be prepared to:

conduct research on your own on a topic of special interest to you,

do real world projects for local businesses.

The last is especially beneficial but it is the students responsibility to find such outside projects.

Some ideas for topics will be reviewed in class.

Students may work individually or in teams of two or three persons if the term project is of sufficient difficulty (it is extremely hard to justify more than three). Please see me with an outline of your objectives and a thoughtful justification for using a team.

A written term paper proposal is due by Oct. 4th. This can be sent by email. Your proposal should be in the email not in an attachment. You are encouraged to have your proposal completed much earlier. The instructor will scheduled office meetings with each student to discuss the project. The proposal must include the following (please use these headings and format):

Topic or descriptive title

A short paragraph showing the subareas that would be covered in this topic (can be in point form)

How it is related to course

How it relates to career - how does it add value to your resume?

A statement on the nature and objective of the learning experience. Will this increase knowledge of facts, demonstrate skill, develop new tool, apply tools, be a case, etc.?

Identify and summarize one core source (this may be from your notes or text or a newly sourced article or book or web page).

What you plan to end up with: a review paper, a case study, an industry analysis.

What you plan do (in general) in order to accomplish the above.

If more than one person, identify the major tasks or scope that justifies two persons.

The term project must be handed in to Room HA 459 or HA 461 by 5:00 p.m. on Monday, Dec. 2nd, 2002. As a general rule, term papers for a single person are 10 - 15 pages long, 1.5 spacing, 12 point, Times Roman or close, 1 inch margins. The minimum term paper size for teams is the number of team members x 10. Page requirements exclude exhibits, attachments, references, tables and figures. All papers must be documented with references on the last page.

You will be given a Evaluation Summary form that shows the criteria by which I grade project and term papers. There are two forms with different weights placed on analysis versus coverage. You must hand this form in with the term report with whether you chose your paper to be classified as Analytical or Survey.

You must also hand the Term Report Checklist in with your term report. By paying attention to each requirement on the checklist, you are assured of meeting the minimum requirements of the term report.

There is no peer evaluation as all teams are voluntary.

Please avoid term paper topics more appropriate to other courses, particularly other E business courses. For example a paper on Customer Relationship Management or E business technology or E business strategy is generally inappropriate although some overlap is unavoidable. It is not inappropriate, for example to spend 25 % of a paper on a companies e business strategy and 75 % on the supply chain component or implications. When in doubt see the instructor.

TurnItIn

In this course you will be required to submit the term project in both hard copy and in electronic form. The electronic copy will be submitted to a service to which UBC subscribes, called TurnItIn. This is a service that checks textual material for originality. It is increasingly used in North American universities. A page describing TurnItIn and the University's reasons for using it is attached. See Appendix D.

Students should refer to the current UBC calendar for policies on plagiarising:

<http://students.ubc.ca/publications/calendar/index.cfm?part=3&content=54&sub=111>)

As well you should refer to the following material as an aid to writing effectively and avoiding plagiarism <http://www.arts.ubc.ca/FOA/students/plagiarism.htm>

The use of TurnItIn should in no way interfere with appropriate and acknowledged collaboration,

and instructors are encouraged to discuss this with students.

Direct Online Submission to TurnItIn: Log onto the site www.turnitin.com/login.asp. You will be asked to create a unique “user profile”, consisting of an ID (e-mail address) and password. Once this ID is created, you will be able to add courses to your profile. To add a course, you will need the “course ID” and “course password”. For C486C this is: ID - 23158, Password – logistics. Once added to a course, you will be able to submit assignments for that course to the service.

For each assignment, you will be asked to provide your name and student number, as well as some details about your assignment. This information will be used only to identify your submission to your instructor. Please ensure that there is NO IDENTIFYING INFORMATION included in the text of your assignment. You will be asked to cut and paste (text only) the abstract (if you have one), the body of your assignment, and the bibliography into separate fields within the website. Simply confirm the submission, and TurnItIn will issue a receipt (via e-mail).

Please note that it will still be necessary to provide your instructor with a hard copy of your assignment.

Assignments are not accessible to the public once submitted to TurnItIn, and you, as the author, retain ownership of your original material. Your work will be added to TurnItIn’s archive for comparison against subsequently submitted material, thus ensuring that your work is not plagiarised. Should a match be found between subsequently submitted material and your earlier submitted material, TurnItIn will inform the instructor that a match has been found with an archived document, and provide contact information for your instructor. Your material will not be released to other TurnItIn subscribers even if such a match is found. The two instructors will have the option of collaborating to ascertain whether your work has been plagiarised.

Appendix D: F.A.Q., for Distribution to Students

TurnItIn: www.turnitin.com

What is TurnItIn?

This is a web-site that checks for the originality of material. It works as follows:

Students upload the text of their paper to the TurnItIn website or electronically submit papers to instructors. Software scans the paper and reports on originality (on a scale from 1 to 5). Using a variety of algorithms, the program compares the paper to material on the Web and in its databases. (It will detect copying even if a student replaces up to 50% of the words in a paragraph). Instances of copying are flagged in a report. Faculty sign-on to the website and review the reports for their students (which literally means scanning down a screen where a thumbnail report for each paper appears in 2-3 lines, with a colour-coded graph). More extensive reports for papers with low originality scores can then be studied in more detail, including the sources of any text that is matched in the student’s paper. Faculty members decide, with help from the report, whether this is or is not a case of plagiarism. Privacy and security are

high at this password-protected site.

What does it check?

This service, created by a University of California, Berkeley Professor and former graduate student, scans papers submitted by students for:

- Material copied from public web sites
- Papers purchased from paper mills
- Essays/assignments previously or concurrently submitted to TurnItIn
- Some (and rapidly increasing) published works (e.g., journals)

Why does UBC subscribe to this service?

- It helps in reinforcing academic integrity as a core value of the university.
- It responds to a growing concern about a “level playing field” for all students.
- It reinforces the need to provide instruction in writing across the disciplines.

UBC Resources

UBC Faculty of Arts: <http://www.arts.ubc.ca/FOA/students/plagiarism.htm>

Tutorial for English 112: http://orange.mywebct.ubc.ca/public/library_223/index

Field Trip: Mandatory

In order to enhance the learning experience, a field trip has been planned during the second half of the term. You are required to attend this field trip. In the event that you cannot attend the scheduled field trip, you must substitute another relevant out of class activity such as attendance at a local professional meeting or site visit arranged by yourself. Local professional meetings include monthly meetings for the Canadian Association of Supply Chain and Logistics Management (SCL). The Purchasing Management Association of Canada (PMAC) or American Production and Inventory Control Society (APICS) meetings may be appropriate depending on the specific program.

Guest Lectures:

Guest speakers are also invited to speak to the class to enhance the learning experience but such speakers cannot always meet our schedules so their appearance may not be synchronized with the topic at the time. These are often executives travelling to Vancouver on business. You will be notified of guest lecturers in advance. A topic may be rescheduled, minimized or deleted in order to accommodate the guest speaker.

Getting to Know You:

Please obtain a large card, fold it into a "V" stand, write your name as you want to be identified in bold letters with a magic marker on one side and display prominently and proudly in front of yourself during class.

If you are a student that is officially registered in the class, you will have received a student survey questionnaire. Please fill in the requested information on the email and return. This will allow me to both receive the information and also automatically copy your email onto my email folder system.

Communications:

You can communicate with me via the course web site in the Question and Answer section. If I have any important messages for you they will be in this section of the web site by 4:00 p.m. each Tuesday and Thursday. Similarly, if you have any messages for me, I will guarantee a response in class, if I receive the message by 4:00 p.m. on the web on the previous class day. Please check the web site regularly for late breaking news.

Readings and Handouts:

In addition to your text which is available from the UBC Bookstore, a "441" Readings package is available for sale in the Commerce Copy Centre. In addition, I will distribute additional handouts and lecture notes during each class and any excess charges will be billed to you directly. Handouts and notes are passed out once and surplus copies left in the plastic tray on my door for one week. If you miss class and the supply of handouts is exhausted, please copy the handouts from a classmate. Please do not take more than one copy of class notes since no extras are made.

Course web site:

The course website is freely accessible except for the question and answer section. That section can be accessed by your last name and student number if you are officially registered. If you have trouble getting into that section, email me with your name and student number and I will forward your name to the web masters for entry of your name. The site address is http://www.commerce.ubc.ca/BCOM/COURSE_RESOURCES/COMM441/

Please check this site for answers and partial answers to questions and cases.

Please use this site to communicate with the instructor. The answers to many questions that are asked are of interest to other students in the class.

Other Opportunities

Your instructor is the Programs Director for the B.C. Chapter of the Canadian Association of Supply Chain and Logistics Management (SCL). SCL holds monthly dinner meetings on the last Monday of each month, which include a guest speaker on a logistics topic.

These meetings typically start at 5:30 registration, 6:15 dinner, 7:15 presentation, and at the Executive Inn in Burnaby. I have negotiated a reduced price for students attending dinner of \$25. I also take one or two student volunteers to do registration for which they can attend for free (includes dinner).

If you did not take C399

The course prerequisite for C441 is C399. If you did not take C399 or equivalent, you can still take this course. There is one chapter in the text (Chase and Aquilano) that is directly related to the substance of this course and that is inventory. I recommend that you go to David Lam and borrow and view the video Careers in Logistics (on permanent reserve) for an introduction to logistics. Note, I will hold the following before class tutorials 8:00 am before class on Sept. 9, 11 and 16 on demand..

Sept. 9	Careers in Logistics Video (25 minutes)
Sept. 11	Basic inventory principles, Inventory, review Ch 10, pp. 308 - 326; 328 - 330, problem 4 (Q=165, ROP = 92, Total cost = \$1,359.66, Revised ROP = 185), Outline 3.
Sept. 16	Transportation, Ch 6 (ch 2, problem 13; Chapter 6, Q&P 2, 3, 4, 6, 8, 9, 10, 11, 22)

Since the warehousing topic is in the second half of the course, students are urged to review Ch 8 (Q&P 2, 3, 4) on their own.

ABOUT TEAMS

Working in teams is mandatory in today's business environment. In this course, you are encouraged to work in small teams of two to increase productivity but you should never sacrifice your understanding of concepts or tools that your assignment or project is meant to convey to you.

All teams are voluntary, self created, self governed and limited to two persons for assignments and three for term projects. No peer evaluations are given in this class and conflicts need to be sorted out among the persons comprising the teams.

C441 FALL 2002 CLASS OUTLINE

C441 FALL 2002 - CLASS OUTLINE			
#	Date	Topics, Concepts, Tools, Principles	Readings and assignments
1	Sept 4 Wed	Introduction, Administration, Concepts, objectives, overview, principles of logistics, processes, decisions. What is logistics management? Role of logistics, supply chain and logistics processes, supply chain management versus logistics management, systems concepts, total cost and tradeoff concepts, the order cycle, fulfillment cycle, production cycle, strategic profit model, profit leverage concept	Outline 1, Chapter 1; Chapter 2, pp 33 - 36. Class Discussion Assignment: Review questions 1, 4, 6, 7e, 12 in Chapter 1.
2	Sept 9 Mon	Customer service Define customer service and how it impacts logistics planning. How	Outline 10, Chapter 2, pp. 29-47, Chapter 3, 58 - 62.; Chapter 4, 80 - 93, 96 - 102

		<p>logistics impacts customer service. Define customer service for logistics planning. How to use customer service as a performance measure. ABC concept. Service cost tradeoffs.</p> <p>Order processing, How to efficiently manage order processing, OMS systems</p>	<p>Class Discussion Assignment: 1, 2, & 11 in Chapter 4: What is the sales service relationship?; questions 5, 6, 7, 10, 11 in Chapter 2.</p> <p>Ch 5, pp. 110 – 126 Class Discussion Assignment: 2,3,4 & 8 in Ch 5</p>
3	Sep 11 Wed	<p>Overview of Inventory management, Inventory Ordering Systems, Role of inventory, types of inventory, costs of inventory, inventory management, EOQ, ROP; Fixed order quantity systems, Fixed order interval, DRP/MRP, Min Max, hybrids;</p>	<p>Chapter 8, pp. 308 - 326 Outlines 2 and 4 (Outline 3 is reviewed in pre class session)</p> <p>Class Discussion Assignment: Ch 8, Q 4 & 12, P 2 (a. The order fill rate is 69.3 %), 5 (The number of potential secretaries to admit per class is about 78 and the course should be offered 4 times a year) and 11 (The company should make 25 runs per year of 1000 units.</p>
4	Sep 16 Mon	<p>Logistics Tradeoffs Involving Inventory - How manage inventory cross functionally; purchase quantity discounts, space - storage tradeoff, production and transportation tradeoffs, Non- instantaneous supply model.</p>	<p>Reading and preparation: Outline 5; Chapter 11, pp. 421 - 426; Ch 10.pp 326 - 327.</p> <p>Class discussion assignment: Chapter 11, problems 7 (purchase in quantities of 80) and 8 (Optimal purchase quantity is 550 motors).</p>
5	Sep 18 Wed	<p>Management of Safety Stock Stockout versus demand fill, stockout costs, probability of a stockout versus service level, JIT visited, how to determine the level of safety stock required, how to make tradeoffs between safety stock and other logistics decisions; managing inventory tradeoffs with customer service.</p>	<p>Readings: Outline 6, Chapter 10, 328 - 332, 334 - 351</p> <p>Class Discussion Assignment: P 9 a to d (Use INPOL), 12 (EOQ = 309, ROP = 250)</p> <p>Practice Problem on your own: P13 (Q=79 cars, ROP = 1994 tons)</p> <p>Practice problems: Prob 15 and 17.</p>
6	Sep 23 Mon	<p>Transportation Decision making and Transportation Selection, Transportation tradeoffs with inventory and order processing.</p>	<p>Readings: Outline 7, pp. 1 - 9; Chapter 10, 349 - 350; Chapter 7, 185 - 191</p> <p>Class Discussion Assignment: P 16</p>

			<p>(select rail) in Chapter 10, P 2 in Chapter 7, Q 1 and 2 in Chapter 7. Questions 10 in Chapter 3</p> <p>Recall problem 2 in Chapter 7, now assume that you do know the cost of stocking out to be \$2.00 (for students with names ending in A - K, \$40 for students with names ending in L - Z.) What are the annual number of units stocked out, annual stockout costs and total cost of each alternative?</p> <p>What single change or adjustment would you make in the analysis of this problem if there was demand variability?</p>
7	Sep 25 Wed	<p>Review and integration; Review assignments 1 and 2.</p> <p>Exam preview</p>	<p>Readings: Complete Hardware Systems case' in Ballou. Ch 10, 371 - 373 (Note on p. 372 change "no more stockouts per year" to "no more units stocked out per year". Wong Importing and Distributing, in Outline 4.</p> <p>Class Discussion Assignments, See handout</p>
8	Sep 30 Mon	Midterm exam	Bring calculators and one 8 ½ x 11 sheet (one side only)
9	Oct 2 Wed	Product Flow Planning - JC Penny slide and video presentation	Outline 16; Logistics of Direct Importing
Written Proposal for Term Project/paper due on Oct. 4 by email			

10	Oct 7 Mon	<p>Transport management; Transport sourcing strategy</p> <p>Motorola case example, Transportation consolidation</p>	<p>Outline 7, pp. 10 - 31, Chapter 7, 214 - 216</p> <p>Class Discussion Problem: Chapter 7, q. 9, p. 10 (Hold orders one period).</p> <p>Case study: Fair Company case Class preparation: Everybody should evaluate the Big Andy Motor Line proposal where Fair company asks that shipments be consolidated each day and shipped.</p> <p>Follow up class assignment: Confirm the solutions for the other alternatives available to the Fair Company.</p> <p>Assume that the Fair Company is using Big Andy. Should Fair Company consolidated freight over two days if the cost per day of delay is 1 cent per lb. Per day. What about three days?</p>
11	Oct 9 Wed	<p>Routing and scheduling vehicles</p> <p>Note: Assignment 1 or 2 due at end of class</p>	<p>Chapter 7, 191 - 211 Outline 7, between pp 16 and 17</p> <p>Class Discussion Assignment: Q 3-5 in Chapter 7 Case: Orion Foods, Inc.(Chapter 7, 239 - 242) What are the decisions that have to be made in this case? What module from LogWare would assist in the analysis? How can Anita improve upon the current distribution operations? (Q 1 in case) Complete Q 1 using Logware</p>
	Oct. 14	No class – Thanksgiving	
12	Oct 16 Wed	No formal class - field trip to London Drugs is substituted for this class.	

13	Oct 21 Mon	Routing and scheduling contd, Transportation Management Information Systems. Discussion of Assignments 3 and 4.	Chapter 7, 199 - 211 Class Discussion Assignment: Review Orion Q. 1, Q 6 and 8; Review the principles of good routing and scheduling on pp. 199 - 201, what other principles can you think of? KKC Computer Consolidation case (handout) Fowler Distribution Case(Chapter 7, 229 - 232) See handout for class discussion assignment.
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14	Oct 23 Wed	Warehousing fulfillment process; Warehousing; Decisions, storage and facility design, Warehouse Management Information Systems, role of warehousing in the supply chain, warehousing functions, major warehousing decisions. Public versus private warehousing decision	Ch 8, Outline 11 (Q&P 2, 3, 4) on their own. Chapter 5, 110 - 122, Chapter 12, Outline 11. Class Discussion Assignment: Chapter 5, Q 2, 3, 4 and 8; Chapter 12, Q & P 1 (If you know where the Toyota Parts Distribution centre is in Richmond, think about why that is a good location), 3 (choose public warehousing), 5 (width = 504 ft, length = 936 ft), 6 (10 doors), 9 (familiarize yourself with the Logware program appropriate to this problem), 11, 12 and 13.
15	Oct 28 Mon	Materials handling and warehouse operations Role of storage and materials handling in the supply chain, Storage and material handling decisions, Role of packaging	
16	Oct 30 Wed	The Stock Location Decision - centralization versus decentralization of inventory Single location facility decisions	Outline 8, Chapter 10, 352 - 357; Chapter 14, 562 - 563. Class Discussion Assignment: Q 9, P 18 in Chapter 10, Outline 9a, Chapter 13, 483 - 494, 516 -520, the Goosehead Beer problem Class Discussion Assignment: Chapter 13, Q1&3; P 1 a,b& c, Q 10&11; Chapter 2, Q4.
17	Nov 4 Mon	Sourcing and Product Flow and Multiple Facility location planning Class Discussion Assignment: Chapter 11, P 9; Solve the Philadelphia Confections problem using any LP or Transportation Method software in Logware; Revise the plant definition so that plant capacity is 28,000 cases per day at each plant. What is the total annual transportation cost of the optimum system at current capacity and with the revised capacity?	Chapter 13, 494 - 511, 540 - 541 Class Discussion Assignment: Chapter 13, Q 5,6; P 1d, 2 a,b,c. Readings: Outline 9a, Chapter 11, 426 - 429, Philadelphia Confections problem Case study: Orion Foods: Be prepared to discuss Q 2 and 3 of the case.

18	Nov 6 Wed	<p>Multiple facility location planning applications</p> <p>Note: Assignment 3 or 4 is due at the end of this class.</p> <p>5. What are the choices that SB are confronted with and therefore what other scenarios or options would you suggest for analysis?</p> <p>Assignment 5: What do you recommend to Southern Breweries. Consider Q 1 - 3 in the case in your answer. Due Nov. 28.</p> <p>Class Discussion Assignment: Chapter 14, Q 9.</p>	<p>Chapter 14, 542 - 563. Case: Southern Breweries case (Chapter 13, 537 - 540) Class assignment:</p> <ol style="list-style-type: none"> 1. What are the decisions that have to be made in this case? 2. What's the potential impact of not building any new brewery at all? 3. Compute the transportation costs, the production costs and the total costs currently incurred by SB under the current situation and current year demand. 4. Use any LP or Transportation Method software to find the optimal allocation of production and sourcing network without building a new brewery using the current demand.
	Nov 11	No class - Remembrance Day	
19	Nov 13 Wed	<p>Logistics design concepts, influence of product characteristics and customer service.</p> <p>Designing Logistically Distinct Businesses</p> <p>Product Flow Integration and Scheduling, Concepts of Push and Pull and Postponement, Supply Chain management</p>	<p>Outline 10a, (Optional reading - J. Fuller et al "Tailored Logistics: The Next Advantage" available from instructor) Chapter 2 Class Discussion Assignment: What is the concept of LDB? Why is it important? How is it implemented?; Questions 4 in Chapter 3 Readings: Chapter 11, pp. 394 - 415, Push pull handout. Class discussion: Ch 2, q 9, 12,</p>
20	Nov 18 Mon	No class, substitute London Drug tour	
21	Nov 20 Wed	Logistics Integration with and Business Marketing Strategy	<p>Reading: Outline 11 (optional reading: "Retail Logistics: One Size Doesn't Fit All", available from instructor). Review Chapter 3, pp. 53 - 58, 67 - 76. Review Chapters 1 and 2 Class discussion: Ch 1, q4; Chapter 2, Q 1</p>

22	Nov 25 Mon	Discuss cases, discuss LD tour	
23	Nov 27 Wed	Course wrap up Exam prep Course evaluation	
	Dec 2 Mon	Term projects due in room HA 461 Either slip it under my door or leave it with secretary in HA 459. Do not leave in plastic tray.	
	Dec ??	Final exam to be scheduled	

C441 Student Information Sheet - Sept. 2001

Please separate, fill out and return to instructor by the end of class 2 if you were unable to complete by email.

1a. Name: _____

1b. Name by which you want to be called: _____

2a. Telephone to reach you: _____

2b. E-mail address: _____

(Note: You are required to send an email to your instructor at garland.chow@commerce.ubc.ca)

3. Previous courses in logistics or operations

Course no.: _____ Course no.: _____ Course no.: _____

Teacher: _____ Teacher: _____ Teacher: _____

4. Previous work experience (especially logistics):

5. What is your area of concentration and career objective?

6. What do you want to "get" out of this course? What are your specific objectives apart from fulfilling your requirements?

7. How did you hear about this course if you are not in the TLOG specialization?

8. Please check the following time slots that you **cannot** attend a field trip (time includes travel time):

Thur from 3:00 - 6:30 _____ Thur from 4:00 - 7:30 _____ Thur from 5:00 - 8:30 _____

Fri from 3:00 - 6:30 _____ Fri from 4:00 - 7:30 _____ Fri from 5:00 - 8:30 _____

9. Questions: