

<b>COURSE TITLE BLACKBOARD SITE</b>	<b>EME 6753 - 01 - CRN 3795 Engineering Supply Chain Management</b>  Spring 2011 – <a href="http://my.ltu.edu">http://my.ltu.edu</a>
<b>INSTRUCTOR</b>	Lisa Sacino Adjunct Faculty – LTU Sr. Mgr. Product Creation Process Vehicle Integration – Chrysler Group LLC Contact Information Lisa.sacino@chrysler.com, sacinofamily@aol.com 248-766-9812 Cell, 248-512-0372 Office Office hours by appointment – please call to schedule.
<b>SCHEDULE</b>	January 10, 2010 – May 07, 2010 Refer to <a href="http://www.ltu.edu/registrars_office/calendar_final_exam.index.asp">http://www.ltu.edu/registrars_office/calendar_final_exam.index.asp</a> for the last date to withdraw and other important registration related information.
<b>LEVEL/ HOURS PREREQUISITE</b>	Graduate or Undergraduate Degree / 3 credit hours Admission / prerequisite requirements
<b>REQUIRED TEXT</b>  (See Blackboard for additional resources)	F. Robert Jacobs & Richard B. Chase Operations & Supply Chain Management McGraw-Hill Companies, ISBN 978-0-07-352522-8, MHID 0-07-352522-7  Available for online purchase through LTU Bookstore at: <a href="http://lawrence-tech1.bkstore.com/bkstore/TextbookSelection.do?st=489">http://lawrence-tech1.bkstore.com/bkstore/TextbookSelection.do?st=489</a>
<b>ADDITIONAL RESOURCES</b>	LTU Online student resources: <a href="http://www.ltu.edu/ltuonline/">http://www.ltu.edu/ltuonline/</a>
<b>TECHNICAL SUPPORT</b>	Technical support for using Blackboard is provided by the Helpdesk. Visit <a href="http://www.ltu.edu/ehelp">www.ltu.edu/ehelp</a> or 248.204.2330 or <a href="mailto:helpdesk@ltu.edu">helpdesk@ltu.edu</a>

## COURSE SCHEDULE FOR TRADITIONAL SEMESTER COURSES

This fully online course begins with a partial week online course orientation period to familiarize yourself with the online learning environment and to meet online or via the phone with your instructor. Each subsequent week starts on a Monday and ends on a Sunday.

Dates	Modules	Topics / Readings	Assignments Due
Prior to Semester Start and Jan 10 – Jan 12	Module 0	Overview of textbook Online Learning Orientation Course Orientation and group formation	Course orientation Instructor conversation Individual pre-assessment
Week of Jan 10 – Jan 16	Module 1 <i>Section 1 Strategy &amp; Sustainability</i>	<b>Chapter 1</b> – Operations & Supply Chain Management  <b>Select Case Study Topic</b>	Bb Discussion Board Internet Exercise: Harley-Davidson Motorcycles – Questions 1-3 (p. 18)
Week of Jan 17 – Jan 23	Module 2	<b>Chapter 2</b> – Strategy & Sust. <b>Chapter 3</b> – Product & Service Design	Bb Discussion Board Review Question #1 (p.34) Internet Enrichment Exercise (p. 63)
Week of Jan 24 – Jan 30	Module 3	<b>Chapter 4</b> – Strategic. Cap. Mgt <b>Chapter 5</b> – Job Design	Bb Discussion Board p. 88 Question #1
Week of Jan 31 – Feb 6	Module 4 <i>Section 4 Mfg. Service &amp; Health Care Process</i>	<b>Chapter 6</b> – Prod. Processes <b>Chapter 6A</b> – Facility Layout	Bb Discussion Board p. 205 Question #1
Week of Feb 7 – Feb 13	Module 5	<b>Chapter 7</b> – Serv. Processes <b>Chapter 7A</b> - Wait. Line Analysis	Bb Discussion Board Question xx
Week of Feb 14 – Feb 20	Module 6	<b>Chapter 8</b> – Health Care Proc. <b>Chapter 9</b> – Six Sigma Quality	Bb Discussion Board Question xx
Week of Feb 21 – Feb 27	Module 7	<b>Chapter 9A</b> – Process & Cap. <b>Chapter 10</b> – Projects	Bb Discussion Board Question xx
Week of Feb 28 – Mar 6	Module 8 –	<b>MID-TERM Exam Distributed Feb 28<sup>th</sup> – Due Mar 6<sup>th</sup></b>	Bb Discussion Board Question xx
<b>Mid-semester Break – No Classes</b>			
Week of Mar 14 – Mar 20	Module 9 – <i>Section 3 Supply Chain Processes</i>	<b>Chapter 11</b> – Global Sourcing <b>Chapter 12</b> – Loc. Log & Dist	Bb Discussion Board Question xx
Week of Mar 21 – Mar 27	Module 10	<b>Chapter 13</b> – Lean & Sust. Supply Chains <b>Chapter 13A</b> – Ops. Consulting	Bb Discussion Board Forums Question xx
Week of Mar 28 – Apr 3	Module 11 <i>Section 4 Supply &amp; Demand Planning</i>	<b>Chapter 14</b> – Resource Planning <b>Chapter 15</b> – Demand Mgt & Forecasting	Bb Discussion Board Question xx

Dates	Modules	Topics / Readings	Assignments Due
Week of Apr 4 – Apr 10	Module 12	<b>Chapter 16</b> – Sales & Planning <b>Chapter 17</b> – Inventory Control	Bb Discussion Board Question xx
Week of Apr 11 – Apr 17	Module 13 – <i>Section 5 Scheduling</i>	<b>Chapter 18</b> – Material Planning <b>Chapter 19</b> – Scheduling	Bb Discussion Board Question xx
Week of Apr 18 – Apr 24	Module 14	<b>Chapter 19A</b> - Simulation <b>Chapter 20</b> – Constraint Mgt.	Bb Discussion Board Question xx
Week of Apr 25 – May 1	Module 15 – <i>Research Paper</i>	<b>Case Study DUE &amp; Post Discussion Questions</b>	Bb Discussion Board Question xx
Week of May 2 – May 7	<b>FINAL EXAM</b>	Course Summary End of Course	Bb Discussion Board Question xx

### STUDENT EVALUATION

Discussion Board Letter grades are awarded based on the total number of points achieved. Points are deducted for late assignments.

#### EXAMPLES:

Assignments	Points
Discussion Board Postings / On-Line Participation (2 points / week)	30
Homework (1 assignment per week worth 1 point)	20
Mid-Term Exam	15
Case Study	20
Final Exam	15
Total Points	100

Class Points	Letter Grade
96 and above	A
90 – 95	A-
87 – 89	B+
83 – 86	B
80 – 82	B-
77 – 79	C+
73 – 76	C
70 – 72	C-
61 – 70	D (Undergrad Only)
60 and below	E

*Note: Grades lower than a "B" fall below the LTU graduate standard*

## EDUCATIONAL GOALS

*Operations and supply chain management (OSCM) is a key element in the improvement of productivity in business around the world. This course is designed to cover the latest and most important issues facing OSCM managers as well as basic tools and techniques. There are many examples of leading-edge companies and practices. The course is designed to be interesting and give you a competitive advantage in your career.*

## STUDENT LEARNING OBJECTIVES / OUTCOMES

*The student learning objectives for this course include:*

- *Understanding of how the operations & supply chain functions contribute to productivity growth*
- *Show what companies are doing in the market place to create a competitive advantage*
- *Convey a set of skills and tools that can be applied in real-world*
- *Provide a global perspective*
- *Understanding of the entire supply flow, from the sources of the firm through the value-added process of the firm and on to the customers*
- *Information on how to solve operations & supply chain related problems*

*These objectives will be evaluated through assignments, quizzes, examinations, and other methods throughout the course.*

## PREREQUISITE SKILLS

*Graduate course.*

## INSTRUCTIONAL METHODS AND COURSE ORGANIZATION

*Instructional methods to be used in this course may include but are not limited to:*

**Blackboard Learning Environment** – Blackboard at my.ltu.edu contains the syllabus, all assignments, reading materials, streaming videos, narrated PowerPoint mini-lectures, podcasts, written lecture notes, chapter quizzes, links to Web resources, and discussion forums. You will submit all assignments via Blackboard, and are expected to participate regularly in discussion topics. Please take time to familiarize yourself with the organization of the Blackboard site. You will want to check the site frequently for announcements reminding you of new resources and upcoming assignments.

**Student/Instructor Conversations** – Students keep in touch with the instructor via e-mail messages, telephone conference calls, and IM conversations.

**Self-Assessments** – Pre- and post- self-assessment tools will help students measure their entering skills and progress during the course.

**Required Reading** – Textbook chapters should be read according to the schedule outlined in the syllabus. Chapters will be discussed online.

**Publisher Web Site** – A publisher web site at <http://www.nnn.com/nnn> includes instructional materials, PowerPoint slides, case studies, application exercises, and practice quizzes. You should make use of as many of these resources as you need to be successful.

**Assignments** – Textbook and online Internet Exercises

## CLASS POLICIES AND EXPECTATIONS

*I plan to offer you a valuable learning experience, and expect us to work together to achieve this goal. Here are some general expectations regarding this course:*

Each student has a LTU email account. If you wish to use a different email address for this course, please **change your email address in Blackboard under “Blackboard Tools”, then “Personal Information”** and send an email to me so I can store your address in my email directory.

Readings, discussion forum participation, and written assignments must be completed according to the class schedule. It is important to contact the instructor as needed to discuss personal needs regarding course requirements and assignments.

It is essential that all students actively contribute to the course objectives through their experiences and working knowledge.

All assignments must be submitted on schedule, via Blackboard, and using Microsoft Office compatible software. If you need to submit an assignment via email, contact the instructor in advance.

Assignments must be completed to an adequate standard to obtain a passing grade. Requirements for each assignment are detailed in this syllabus.

Be prepared to log into Blackboard at least once each day. Please focus your online correspondence within the appropriate Blackboard discussion forums so that your colleagues can learn from you.

At midterm and at the end of the course, you will be invited to participate in a University evaluation of this course. Your feedback is important to the University, to LTU Online, and to me as an instructor, and I encourage you to participate in the evaluation process.

It is important for you as students to know what to expect from me as your instructor:

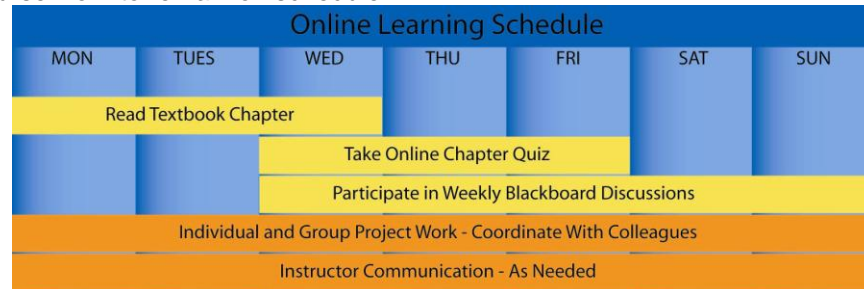
- I will be available to you via e-mail and phone, and will promptly reply to your messages.
- I will be available to you for face-to-face appointments as requested.
- I will maintain the Blackboard web site with current materials, and will resolve any content-related problems promptly as they are reported to me.
- I will send out a weekly e-mail update to all class members to guide upcoming work and remind you of assignment due dates.
- I will return all assignments to you promptly, and will include individualized comments and suggestions with each assignment.
- I will hold our personal written or verbal communications in confidence. I will not post any of your assignments for viewing by the class without requesting your approval in advance.
- I will treat all members of the class fairly, and will do my best to accommodate individual learning styles and special needs.
- If any of these points need clarification, or when special circumstances arise that require my assistance, please contact me so that we can discuss the matter personally.

## **PRACTICAL GUIDELINES FOR CLASS LOAD EXPECTATIONS**

A three-credit course generally requires at least nine hours per week of time commitment. Here are some practical guidelines to help schedule your time commitments for this online course:

- A 14-week semester (the Summer semester is compressed into 10 weeks) would require at least 126 hours of time commitment to successfully complete all readings, activities, assignments, and texts as described in this syllabus.
- You should reserve at least 6 hours per week to read the required textbook chapters and resources, participate in online discussions, review presentation materials, and work through online quizzes. This effort will total at least 84 hours over the course of the semester.
- You should organize your remaining time to roughly correspond with the point value of each major assignment. This means that you should plan to spend at least:
  - 8-9 hours preparing your case study review;
  - 24-40 hours working with your group on the three parts of your semester-long project;
  - 8-9 hours working on the various components of your reflective consolidation (final exam).

These guidelines may not reflect the actual amount of outside time that you – as a unique individual with your own learning style – will need to complete the course requirements. The number of hours each week will vary based on assignment due dates, so please plan ahead to insure that you schedule your academic, work, and personal time effectively. The following graphic can be used to guide you in planning your weekly course work to remain on schedule:



## ASSIGNMENT DETAILS

Course assignments and evaluation criteria are detailed below. Please review these requirements carefully. See the section Academic Resources / Assessment Guidelines for information about assessment of written and oral presentations.

Details for all assignments are shown below. Please note that you should not submit any assignments to the Blackboard “Digital Drop Box.” All assignments are submitted using the Blackboard “Assignments” or “SafeAssign” function. Some assignments are also posted to the Blackboard Discussion Forum for student comments.

### Assignment Textbook Homework (20 points – 1 point per Chapter)

**Text Book Assignments** – Submit response to assigned questions from the textbook & online internet exercises, per Syllabus.

### Discussion Board Postings (30 points)

Students who bring valuable experience, and learning through lively online discussions is encouraged. Discussion will be conducted through the Blackboard system in the “Discussion Board” area of the module. Written responses are expected to be of high quality, challenge each other’s thoughts and build upon or offer a differing viewpoint. A simple “Yes, No, I agree, etc.” is considered to be non-value added and unacceptable. Each student is expected to actively participate in online activities.

**Class participation is evaluated to a maximum of 30 points over the 16 week Semester** based on:

Up to 2 points awarded weekly for 4 complete postings which include actively participating in Blackboard discussion forums, responding to questions posted by the instructor, and interacting positively with other students.

**Postings** – Minimum 4 postings required per week, postings must be 24 hours apart

1. Reply to the weekly Module Discussion Board (1 post)
2. Interacting positively with other students (min. 3 posts)



### **Mid-Term (15 Points)**

Questions based on information presented in text, course notes, Modules & Case Studies may include:  
- Essay, fill-in blank, multiple choice, sketch diagrams, basic calculations, identify equations, etc.

### **Individual Term Paper (20 Points)**

Each individual is responsible to write a term paper (no more than 10 pages in length, double spaced, size 12 font). You must choose a Company from Business Week's 2010 Top 50 Most Innovative Company List that must be agreed upon by the instructor (e.g. Health Care related companies, etc.)

**Source:** [http://www.businessweek.com/interactive\\_reports/innovative\\_companies\\_2010.html](http://www.businessweek.com/interactive_reports/innovative_companies_2010.html)

The assignment is to choose & to research a Company, to define the Product or Service, Market, Major Competitors, Rank within Segment and assess Operations & Supply Chain Management Strategy within the company. Elements must include the following:

#### **Include the following in your presentation:**

- Presentation Agenda or Contents Page
- Define Product or Service, Market, Major Competitors
- Rank within competitive segment
- Operations & Supply Chain Management Strategy
  - SWOT Analysis with respect to SCM Strategy
- Benefits (Advantages / Disadvantages)
- Recommendations
- Sources of Information (cite all references)

**Notes:** The text should be referenced for information related to the topic.  
Suggest Trade or Academic Journal for application(s) of topic in industry.

#### **General Point Scale**

Presentation Agenda / Contents Page with Name & Topic – 1 point  
The Company Overview (Product, Service, Market, Customer) – 1 point  
Rank within the competitive segment – 1 point  
Operations & Supply Chain Management Strategy – 5 points

- SWOT Analysis with respect to SCM Strategy

Benefits (Advantages / Disadvantages) – 1 point  
Organization and overall writing quality – 3 point  
Use of either a “lessons learned” or “best practices” approach – 1 point  
Overall critical thinking and writing quality – 4 points  
Use of at least three citations from trade or academic journals – 2 points  
Use of APA citation formatting – 1 point

#### **Your Blackboard discussion forum posting and response to questions:**

Posting your document and a brief “executive summary”  
Posting one or two focused questions for follow-up discussion  
Responses to questions from class members

#### **Individual analysis of each chosen Company should include such items as:**

- Major problem faced by the organization (if any)
- Alternatives and evaluation
- Your recommendations & rationale

### **Final Exam (15 Points)**

Questions based on information presented in text, course notes, Modules & Case Studies may include:

- Essay, fill-in blank, multiple choice, sketch diagrams, basic calculations, identify equations, etc.

### **SYLLABUS ADDENDA**

Please see the LTU Online “Current Students” web site <http://www.ltu.edu/ltuonline/> for comprehensive information about Lawrence Tech’s academic services, library services, student services, and academic integrity standards. The content of this web site is explicitly included as syllabus requirements.

The LTU Online “Current Students” web site also includes grading rubrics used by your instructor to evaluate written assignments, discussion forum participation, and group assignments. Please note that the SafeAssign anti-plagiarism product will be used for written assignments submitted for this course. Please see the instructions included on the LTU Online web site regarding the use of the SafeAssign product.