

ETLS 552-01 Supply Chain Synchronization Fall 2009

Instructor :	Ron Bonnevier 651-739-5203 (Home) 651-999-9631 (Cell) Rlbonnevier@stthomas.edu Bnor1234@yahoo.com	
Time:	Thursday evenings 6:00 to 9:00 p.m.	
Location :	Owens Science Hall (OWS) Room: 250 St. Paul Campus	
Required Texts :	Wisner, Leong & Tan, <i>“Principles of Supply Chain Management”</i>	
Suggested Readings :	Poirier and Reiter, <i>“Supply Chain Optimization”</i> Frazelle, <i>“Supply Chain Strategy”</i>	
Course Description :	This applications orientated course will review key topics within Supply Chain Management and integrate these topics with current management thinking, such as lean manufacturing and Six Sigma. A systems thinking approach that maps logistics, forecasting, warehousing, transportation, and information systems will be combined with discussions of Customer and Supplier relationships, motivations, and ethics to work toward a smoothly functioning supply system. We will use proven industrial engineering and management principles, techniques and tools to design a supply system.	
Course Objectives :	<ol style="list-style-type: none"> 1) To explore the dynamics of the extended supply chain; including downside suppliers, upside suppliers and final customers. 2) To systematically examine the flow of products, information and financial resources that result from supply chain transactions. 3) To review the internal, external, cultural, ethical and contractual frameworks necessary to have a smooth and efficient supply chain. 4) To enhance the students ability to function as part of a management team in a supply chain management oriented organization and to explore and understand the nature of the evolving concepts of interdependence and global economy. 	

Academic Integrity :	All students are expected to understand and follow the University of ST. Thomas policies on Academic Integrity. http://www.stthomas.edu/engineering/graduate/policies/	
Academic Integrity :	Exams: Exams are one of the instruments used to evaluate the knowledge gained by an individual student of the class subject matter, and the progress towards meeting the outcomes of the class and the degree. To this end all exams (in class or take home) are intended to represent the effort of the individual and not a group effort unless specifically stated otherwise.	
Students with Disabilities :	Qualified students with documented disabilities who may need classroom accommodations should make an appointment with the Enhancement Program – Disability Services office during the first two weeks of the semester. Appointments can be made by calling 651-962-6315 or in person in O’Shaughnessy Educational Center, room 119. For further information, you can locate the Enhancement Program on the web at http://www.stthomas.edu/enhancementprog/	
Attendance Policy :	All students are expected to follow the policy described in the student handbook: http://www.stthomas.edu/engineering/graduate/policies/	
Instructor Bio:	Education: <ul style="list-style-type: none"> • BS Industrial Engineering Illinois Institute of Technology • BS Mechanical & Aerospace engineering Illinois Institute of Technology • MBA University of St Thomas Teaching Experience: <ul style="list-style-type: none"> • Have taught MBA and ETLS classes since 1986 at the University of St. Thomas. Industry Experience: <ul style="list-style-type: none"> • Currently as a consultant. Have held positions as General Manager, VP of Operations. VP of Marketing, Plant Manager, Sales Engineer and a variety of other engineering positions. • Have worked for large corporations such as AT&T and Honeywell and small and large “job shops”. 	

Course Outline Fall 2009

Session	Topics	Assignments (Due that session)
September 10th	<ul style="list-style-type: none"> • Course overview • History of Supply Chains • History of Quality 	
September 17th	<ul style="list-style-type: none"> • Team current events • Organizational quality • Manufacturing vs. Service Organizations • Just In Time • Lean Operations 	<ul style="list-style-type: none"> • Read Chap 1 of W/L/T • Chap 1 discussion questions
September 24th	<ul style="list-style-type: none"> • Team current events • Customer Satisfaction • Purchasing • Supplier relationships 	<ul style="list-style-type: none"> • Read Chap 10 of W/L/T • Chap 10 discussion questions • Teams, internet • Question #1 page 332
October 1st	<ul style="list-style-type: none"> • Team current events • ISO, QS, and TS • Strategic sourcing • Demand forecasting 	<ul style="list-style-type: none"> • Read Chap's 2 & 3 W/L/T • Chap 2 & 3 discussion questions • Teams, internet • Question #1 page 82 • Teams, case study #5 page 117
October 8th	<ul style="list-style-type: none"> • Team current events • Planning & replenishment • Inventory management 	<ul style="list-style-type: none"> • Read Chap's 4 & 5 W/L/T • Chap's 4 & 5 discussion questions • Teams, internet • Question #2 page 152
October 15th	<ul style="list-style-type: none"> • Team current events • Distribution 	<ul style="list-style-type: none"> • Read Chap 6 W/L/T • Chap 6 discussion questions • Teams, case study #6 page 242
October 22nd	<ul style="list-style-type: none"> • Mid Term Exam 	
October 29th	<ul style="list-style-type: none"> • Team current events • MRP & JIT • ERP 	<ul style="list-style-type: none"> • Read Chap 7 W/L/T • Chap 7 discussion questions • Teams, internet question #4 page 205

November 5th	<ul style="list-style-type: none"> • Team current events • Process Management • Transportation 	<ul style="list-style-type: none"> • Read Chap's 8 & 9 W/L/T • Chap's 8 & 9 discussion questions • Teams, case study #11 page 265
November 12th	<ul style="list-style-type: none"> • Team current events • Service response • Facility location 	<ul style="list-style-type: none"> • Read Chap's 11 & 12 W/L/T • Chap's 11 & 12 discussion questions • Teams, internet question #2 page 358
November 19th	<ul style="list-style-type: none"> • Team current events • Team presentations #1 & #2 • Supply Chain integration 	<ul style="list-style-type: none"> • Read Chap 13 W/L/T • Chap 13 discussion questions • Teams, internet question #1 page 429
December 3rd	<ul style="list-style-type: none"> • Team current events • Team presentations #3 & #4 • Supply Chain metrics 	<ul style="list-style-type: none"> • Read Chap 14 W/L/T • Chap 14 discussion questions • Teams, internet questions #1 to #4 page 452
December 10th	<ul style="list-style-type: none"> • Team current events • Team presentations #5 & #6 • The future of supply chains 	<ul style="list-style-type: none"> • Read Chap 15 W/L/T • Chap 15 discussion questions • Teams, internet question #1 page 466
December 17th	<ul style="list-style-type: none"> • Wrap up • Final Exam • Term paper due 	