International Operations and Supply Chain Management  
MGMT 6393  
Fall 2018

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Class Hours: W 9:00 – 11:50 a.m. BUSN 307  
Office Hours: W 12:00 – 1:00 p.m. & R 12:00 - 3:00 p.m.

Reference Books:


Course description (*From Goldmine*)  
This seminar reviews recent research in operations and supply chain management. Examples of topics include supply chain management, revenue management, operations strategy, production planning, new product development, acquisition, transformation, and distribution of goods and services within the global supply chain, and tools and strategies to design and manage operations. The course also examines the strategic implications of operations and supply chain management issues as they relate to firm performance process management. Particular emphasis is placed on sourcing, operations design, quality, inventory, logistics, enabling information systems and technology, and global issues.
Objectives

At the completion of this course, students will be able to:
1. Select and organize the global trends and challenges facing operations and supply chain management.
2. Distinguish and judge the key design issues associated with supply chain processes.
3. Value the major causes of dynamics in a supply chain.
4. Evaluate and contribute to the international operations and supply chain management literature.

Course Operation

Students will be assigned articles to review and discuss for each session. Article summaries for all articles are required from each student each session. The summaries must be uploaded to Blackboard before each session. Three papers capable of submission are required of each student.

Grading Policy:

15 % Research articles summaries
25 % Research paper one
30 % Research paper two
30 % Research paper three

COURSE POLICIES

1. Academic Integrity
Cheating is unethical and not acceptable. Plagiarism is using information or original wording in a paper without giving credit to the source of that information or wording; it is also not acceptable. Do not submit work under your name that you did not do yourself. You may not submit work for this class that you did for another class. If you are found to be cheating or plagiarizing, you will be subject to disciplinary action, per UTEP catalog policy. Refer to http://www.utep.edu/dos/acadintg.htm for further information.

2. Missed Sessions
You are expected to come to class, pay attention, and take good notes. If you miss the class, it is your responsibility to obtain notes from your classmates and complete the corresponding assignments.

3. Need for Assistance
If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.
4. Student Responsibility
Individual students must operate with integrity in their dealings with faculty and other students; engage the learning materials with appropriate attention and dedication; maintain their engagement when challenged by difficult learning activities; contribute to the learning of others; and perform to standards set by the faculty.

Note: This is a tentative syllabus and the instructor reserves the right to make appropriate changes.

Course Outline

Session 1 August 29

OSCM Topic: Operations and Productivity (Ch 1) & Operations Strategy in a Global Environment (Ch 2)

Research Topic: Data Envelopment Analysis


Work on research paper one (lit review, data, data analysis)

Session 2 September 5

OSCM Topic: Project Management (Ch 3)

Research Topic: Data Envelopment Analysis


**Work on research paper one (lit review, data, data analysis)**

**Session 3 September 12**

**OSCM Topic:** Forecasting (Ch 4)

**Research Topic:** Data Envelopment Analysis


**Research paper data is due**
Session 4 September 19

**OSCM Topic:** Design of Goods and services (Ch 5) & Sustainability in the Supply Chain (Supplement 5)

**Research Topic:** Data Envelopment Analysis


**Data analysis is due**

Session 5 September 26

**OSCM Topic:** Managing Quality (Ch 6) & Statistical Process Control (Supplement 6)

**Research Topic:** Main Path Analysis


**Lit review, DEA & data analysis are due**

**Session 6 October 3**

**OSCM Topic:** Process Strategy (Ch 7) & Capacity and Constraint Management (Supplement 7)

**Research Topic:** Main Path Analysis


**Paper draft is due**
Session 7 October 10

OSCM Topic: Location Strategies (Ch 8)

Research Topic: Main Path Analysis


Literature review topic is due

Session 8 October 17

OSCM Topic: Layout Strategies (Ch 9)

Research Topic: Main Path Analysis


**Literature review papers are due**

**Session 9 October 24**

**OSCM Topic:** Human Resources, Job Design, and Work Measurement (Ch 10)

**Research Topic:** Supply Chain Modeling


**Literature review analysis is due**

**Session 10 October 31**

**OSCM Topic:** Supply Chain Management (Ch 11) & Supply Chain Management Analytics (Supplement 11)

**Research Topic:** Supply Chain Modeling


**Introduction and analysis discussion are due**

**Session 11 November 7**

**OSCM Topic:** Inventory Management (Ch 12)

**Research Topic:** Supply Chain Modeling


**Paper draft is due**

**Session 12 November 14**

**OSCM Topic:** Aggregate Planning and S&OP (Ch 13)

**Research Topic:** Supply Chain Modeling


Mathematical formulation is due

Session 13 November 21

OSCM Topic: Material Requirements Planning (MRP) and ERP (Ch 14)

Research Topic: Supply Chain Modeling


Solution of the mathematical formulation is due

Session 14 November 28

OSCM Topic: Short-Term Scheduling (Ch 15)

Research Topic: Supply Chain Modeling


Mathematical Definition and Discussion sections are due
Session 15 December 5

OSCM Topic: JIT, TPS, and Lean Operations (Ch 16)

Research Topic: Supply Chain Modeling


**Literature review is due**

**Final Exam December 14**

**Paper draft is due**