A. Course Description

Credits: 4

Prerequisites: DSCI 434 Introduction to Operations Management or Department Consent.

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course integrates planning, design and analysis to develop a holistic view of supply chain and operations through problems, cases, research papers, readings, projects, and presentations. It requires students to describe, analyze, review and critique important design and planning features of supply chain and operations management. Student will work individually or in groups to develop a project/research paper to analyze an existing complex supply chain and operations function. Students will also explore supply chain and operations through readings, papers, guest lectures, and videos. The focus of the course is on experiential learning and critical analysis. Students will learn critical tools like optimization, models, decision trees, and network analysis.

B. Course Effective Dates: 08/23/2014 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Describe complex supply chain and operations structures internal and external to an organization.
2. Evaluate overall effectiveness of these structures and how they coordinate with other business functions.
3. Analyze cases covering various issues such time delays, risk, inventory, optimization, flexibility, performance evaluation, demand planning, and revenue management within supply chains and operations structures.
4. Demonstrate communication skills by presenting a prepared, purposeful presentation related to the fundamentals of the course.
5. Write reports regarding complex supply chain and operations structures.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

None