DSCI 440 : Supply Chain Planning and Control

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 addresses tools, techniques, and strategies used in service and manufacturing organizations for management and controlling internal and enterprise supply chains. Topics include demand management, forecasting, sales and operations planning, production scheduling, material requirements planning, capacity planning, just-in-time, distribution requirements planning, order-point inventory control methods, and strategic design of planning and control systems.

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 the features of different manufacturing and service supply chains and operations.
2. Accurately apply models in manufacturing and services planning and control environments.
3. Identify the characteristics of forecasting, inventory, and capacity planning models.
4. Utilize and interpret forecasting, inventory, and capacity planning models.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

None