A. Course Description

Credits: 4

Prerequisites: DSCI 434 Introduction to Operations Management (recommended) AND MIS 310 Principles of Management Information Systems

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course analyzes issues involved in the planning, development, and implementation of technological capabilities to achieve the strategic and operational objectives of an organization. Students investigate the role of product and process innovation in creating, developing and implementing new product and process technology in organizations. The course also examines the complex relationships of a firm's product and process technologies to its competitive environment and organizational structure. New technologies are reviewed and assessed through life cycle analysis, technology assessments and case studies. Technology-based product design is reviewed. Building managerial environments that enhance technological creativity is explained.

B. Course Effective Dates: 08/24/2002 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

None

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Recommended: Completion of all MIS Tier One courses (MIS 320, 328, 335 and 467) before taking this course.