A. Course Description

Credits: 4

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course is designed to introduce students to advanced topics in operations management, project management, and managerial decision making and problem solving methods. Prerequisite: Senior standing.

B. Course Effective Dates: 08/23/2003 - 12/31/2003 01/01/2004 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Learn and apply the contemporary topics or techniques such as Global Issues in Operations (including Network Optimization, Consolidations, Enhancing Flexibility, etc.).
2. Learn and apply the contemporary topics or techniques such as Global Product Development and Planning (including Rapid Prototyping).
3. Learn and apply the contemporary topics or techniques such as Operations Innovation.
4. Learn and apply the contemporary topics or techniques such as Sustainability and Environmentally-friendly Operations.
5. Learn and apply the contemporary topics or techniques such as Beyond Lean and Six Sigma.
6. Learn and apply the contemporary topics or techniques such as Current Issues in Manufacturing.
7. Learn and apply the contemporary topics or techniques such as Current Trends in Supplier Management and Sourcing and Purchasing (including Outsourcing, Offshoring, etc.).
8. Learn and apply the contemporary topics or techniques such as Global Issues in Supply Chain Management (including Demand-Driven Supply Chains).
9. Learn and apply the contemporary topics or techniques such as IT Applications and Infrastructure and Operations (including RFID, EDI, ERP, etc.).
10. Learn and apply the contemporary topics or techniques such as Non-profit, Public-sector and Healthcare Operations.
11. Learn and apply the contemporary topics or techniques such as SME Operations.
12. Learn and apply the contemporary topics or techniques such as Technology and High-tech Operations.
13. Learn to assess and interpret current trends in Operations and their applicability and limitations through primary and secondary research.
14. Learn presentation skills.
15. Learn report writing skills.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Prerequisite: Senior standing.