MBA 6115: Operations Management

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course covers the management of the operations function in both manufacturing and service organizations. Concepts, techniques, and requisite technologies are discussed. Topics include operations strategy, quality management, product development, project management, inventory management, and global supply chain management.

B. COURSE EFFECTIVE DATES: 08/25/2014 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Operations Strategy
2. Quality Management
3. Product Development
4. Project Management
5. Inventory Management
6. Global Supply Chain Management

D. LEARNING OUTCOMES (General)

1. Analyze productivity and productivity tools
2. Apply Linear Programming Techniques in the management of the Operations function.
3. Apply Scheduling Models and Queuing Theory
4. Apply the concepts of Material Requirements Planning and Enterprise Resource Planning
5. Apply the concepts of location planning and analysis, including the use of optimization methods such as the transportation model
6. Apply the concepts of process selection, capacity planning, and facility planning
7. Apply work design and measurement techniques
8. Comprehend the importance of Supply Chain Management and apply the concepts of SCM to business operations
9. Evaluate and explain the key aspects of operations management decision making
10. Evaluate and synthesize organization strategy and operation strategy
11. Evaluate the key concepts and issues relating to product and service design
12. Evaluate the operations function and the nature of the operations manager’s job
13. Evaluate, synthesize, and apply quality management techniques
14. Identify similarities and differences between production and service operations
15. Synthesize and apply Project Management Models and Techniques
16. Synthesize and apply concepts of JIT and Lean Production
E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted