

# North Hennepin Community College

## BUS 1510: Operations Management

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is designed to provide the student with an understanding of the foundations of the operations function in both manufacturing and services. The course will analyze operations from both the strategic and operational perspectives and highlight the competitive advantages that operations can provide for the organization. The emphasis is on decision making (to include business ethics) in areas such as: facility requirements and utilization, control and coordination of resource inputs and outputs, types of transformation/conversion processes, and performance measurements. Diverse activities, such as determining the size and type of production process, purchasing the appropriate raw materials, planning and scheduling the flow of materials and the nature and content of inventories, assuring product quality, and deciding on the production hardware and how it gets used will be the primary content areas of this class.

NOTE: Students are strongly encouraged to first take Introduction to Management BUS 1200.

### B. COURSE EFFECTIVE DATES: 05/28/2002 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. The emphasis is on decision making (to include business ethics) in areas such as:
  - \*The principles of operations economies (how to employ labor materials, machines, and capital) in a balance to match the changing relative values of the basic components.
  - \*The decision-making process as it relates to the major areas of Production/Operations Management
  - \*Facility requirements and utilization,
  - \*Control and coordination of resource inputs and outputs, \*Types of transformation/conversion processes,
  - \*Performance measurements.

#### **D. LEARNING OUTCOMES (General)**

1. Define the role of operations management and how it is used employ labor materials, machines, and capital in a balance to match the changing relative values of the basic components of the firm NHCC ELO 1 (knowledge)
2. Demonstrate a basic competence with the tools and techniques used by real-life operations professionals in managing operation and setting operations policy NHCC ELO 2 (information literacy, quantitative literacy, and written and oral communication)
3. Analyze problems, cases, and discussion questions and apply the tools and techniques used by real-life operations professionals in controlling the operations system that are designed, so that products and services may be made to meet quality standards, and be available when needed, at a cost which may be predicted with some degree of accuracy NHCC ELO 2 (inquiry and analysis, critical thinking, written communication) NHCC ELO 4 (applied learning)
4. Solve operation issues collectively in diverse student teams NHCC ELO 2 (teamwork and problem solving)
5. Define terminology and concepts related to the field of operations management and its relationship to the other functional areas of the firm. NHCC ELO 1 (knowledge)

#### **E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

1. Knowledge of Human Cultures and the Physical and Natural World --Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.
2. Intellectual and Practical Skills - Including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.
4. Integrative and Applied Learning - Including: Synthesis and advanced accomplishment across general education, liberal studies, specialized studies and activities in the broader campus community