Course Title: Introduction to Logistics and Materials Management

Course web page: http://www.collin.edu/ce/courses/intro_logistics.html

Course Description: Define the aspects of the Supply Chain internal to a company. Explore the history of Logistics and Materials Management systems. Review of the current state of systems and techniques available today.

Suggested Course Prerequisite(s): N/A

Materials Needed: N/A

Course Objectives:
1. Define the aspects of the Supply Chain internal to a company
2. Explore the history of Logistics and Materials Management systems
3. Review of the current state of systems and techniques available today

Lesson Plan – by week or session
Session 1: Introductions and syllabus. Student Data Forms.
   - Internal supply chain
   - History of logistics and materials management
   - Definitions and concepts for LMM
   - Business Process Flow
   - Customer Expectations
   - Manufacturing Strategies
   - Typical Manufacturing Organizations
   - Traditional “Silo” Organizations
   - Physical Supply / Distribution
   - Company Objectives
   - Conflicts in Traditional Supply Systems
   - Role of Materials Management
   - Planning and Control Hierarchy
   - Material Requirements Planning – MRP
   - Manufacturing Resource Planning – MRPII
   - Enterprise Resource Planning – ERP
   - ERP and JIT Working Together
   - ERP Technology Futures
   - Class A, B, C, D Systems
Session 2: Push vs. Pull
   - Product Data Management – PDM
   - Item Master
   - Engineering Data
   - Unit of Measure Conversion Factors
   - Accounting Data
   - Inventory Planning Data
   - Shrinkage Factor
Order Point Quality
Alternate/Substitute Part
Lead Time
Commodity Codes
Document Control
Data Accuracy in the Item Master
Key Terms/ Acronyms
Professional Organizations
Summary – Introduction to Logistics & Materials Management

Student Evaluation of Instruction

Course Sessions: listed are a guideline to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.
http://www.collin.edu/studentresources/personal/studenthandbook.aspx