COURSE INFORMATION FORM

DISCIPLINE: Business Administration

COURSE TITLE: Warehousing and Distribution Centers

CR. HR: 3  LECT HR: 3  LAB HR: 0  CLIN/INTERN HR: 0  CLOCK HR: 0

CATALOG DESCRIPTION
Warehousing and Distribution Centers is an integrated system approach involving a variety of environments within a global marketplace. The course covers the organization and operations of warehouses and distribution centers. The major components are warehousing and distribution center paradigms, system design, locations, technology and financial dimensions.

PREREQUISITES
None

EXPECTED STUDENT OUTCOMES IN THE COURSE
Upon completion of this course, the student will be able to:
1. Describe the warehousing and distribution system’s paradigm.
2. Evaluate warehouse/distribution center design and layout strategies.
3. Explain various location models and impact demand patterns.
4. Explain and describe transport modes, rates and current regulatory issues.
5. Describe computer control systems used in warehousing and distribution centers.
6. Analyze financial models and strategies.
7. Defend the role depreciation plays in economic analysis.
CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Examinations/quizzes
2. Exercises/projects
3. Written reports

PROGRAM-LEVEL OUTCOMES ADDRESSED

General Education Outcomes
Specify which general education outcomes, if any, are substantially addressed by the course by completing the “Course/Program Assessment Matrix” to show the relationship between course and program outcomes and assessment measures.

Occupational Program Outcomes
Specify which occupational program outcomes, if any, are substantially addressed by the course by completing the “Course/Program Assessment Matrix” to show the relationship between course and program outcomes to assessment measures.
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Warehousing and distribution center paradigms
   A. Describe the warehousing and distribution system’s paradigm
   B. Describe various types of non-automated and automated materials handling systems
   C. Explain public versus private warehousing
      Discuss OSHA requirements
   D. Demonstrate Just-in Time (JIT) methods

II. System design
   A. Apply order/inventory-processing techniques
   B. Evaluate warehouse/distribution center strategies
   C. Evaluate warehouse layout and designs
   D. Identify types of warehousing and distribution centers
   E. Identify the factors that affect the size and number of warehouses and distribution centers

III. Locations
   A. Identify and examine various location models
   B. Contrast the micro and macro view of location analysis
   C. Discuss impact demand patterns
   D. Evaluate various stock locator systems
   E. Examine global warehousing requirements and issues

IV. Technology components
   A. Discuss the types of automated storage and retrieval systems
   B. Discuss decision support systems
   C. Discuss automatic guided vehicle systems
   D. Describe computer control systems used in warehousing and distribution centers

V. Financial dimensions
   A. Describe procedures for determining life cycle of costs
   B. Identify the role depreciation plays in economic analysis
   C. Describe the procedures of after-tax cash-flow analysis
   D. Discuss the various economic analysis methods
   E. Identify the causes of shrinkage
   F. Review financial aspects of inventory strategies