

LSC Use Only
Number: _____
Submission Date: _____
Action-Date: _____

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UWUCC USE Only
Number: 01-64
Submission Date: _____
Action-Date: UWUCC App = 3/19/02
Senate App 4/2/02

CURRICULUM PROPOSAL COVER SHEET
University-Wide Undergraduate Curriculum Committee

I. CONTACT

II. PROPOSAL TYPE (Check All Appropriate Lines)

COURSE

Suggested 20 characters

____ New Course *

Course Number and Full Title

Course Revision MGMT 330

Course Number and Full Title

____ Liberal Studies Approval + MGMT 330
for new or existing course

Course Deletion

Course Number and Full Title

____ Number and/or Title Change

Old Number and/or Full Old Title

New Number and/or Full New Title

____ Course or Catalog Description Change

Course Syllabus

I. CATALOG DESCRIPTION:

MGT 330 - Project and Operations Management

3 Lecture hours
0 Lab hours
3 Credits

D. Managing Technology (2 hours)

Manufacturing technologies-- Automation, Flexible manufacturing; Service sector technologies-- Electronic fund transfer, On-line data bases, Electronic mail, Integrated communication and information systems, Bar codes; Computer Aided Design and Manufacturing; Managing Technological Change.

E. Capacity and Forecasting (3 hours)

quantity (EOQ) model and its variations; Probabilistic inventory models; Safety stock determination; Periodic review systems.

M. Material Requirement Planning (MRP) (3 hours)

Purpose and philosophy of MRP; Components of MRP including bill of material (BOM), master production schedule (MPS), inventory status file; Computerized MRP.

N. JIT System (3 hours)

What is JIT? "Kanban"; Comparison of JIT (Pull System) with MRP (Push System); Enforced problem

O. Emerging Issues in Operations (2 hours)

Current and emerging issues in operations management.

VII. BIBLIOGRAPHY (Brief)

W.C. Benton, and S. Hojung "Shin Manufacturing planning and control: the evolution of MRP and JIT integration" European Journal of Operational Research, Nov 1, 1998 v110 (3), p411-440.

Blackburn, J., ed., Time-Based Competition: The Next Battleground in American Manufacturing, Irwin, 1991.

Chew, W.B., Leonard-Barton, D. and R.E. Bohn. "Beating Murphy's Law." Sloan Management Review, July 1991.

Colo-Gemakli, Bek. "EBBI: Evolve us or we die: our new system. Bingle's effect can hurt customer

service."
Computerworld, Sept 21, 1998, v32(38), p1.

Deming, W. Edward. Out of the Crisis. Cambridge, MA: M.I.T. Center for Advanced Engineering

Davidow, W.H. and B. Uttal. "Service Companies: Focus or Falter," Harvard Business Review, July-Aug, 1989.

Part II.

2. Summary of the proposed revisions

The department is changing the prerequisite from:

**MATH 121, 214, junior status, Eberly College of Business and Information
Technology or approved major**

To:

**MATH 115, 214, junior status, Eberly College of Business and Information
Technology or approved major**

There was also an objective change to better reflect course content as suggested by

There has also been a minor change in the course outline to...

Course Syllabus

I. CATALOG DESCRIPTION

3 lecture hours
0 lab hours
(3c-01-3sh)

Prerequisites: MA 214, MA 121, Jr. Standing,
College of Business or approved major.

Corequisites: none

Study of the process of converting an organization's inputs into outputs whether in goods producing or service Industries. Provides an overview of concepts, tools, and techniques used in management of production and operations function in organizations.

II. COURSE OBJECTIVES

Students will learn what every manager should know about the management of production and operations in organizations.

More specifically, the course objectives are:

IV. DESCRIPTION OF CURRICULUM CHANGE

I. Catalog Description

MG 330 Production and Operations Management

3 credits
3 lecture hours
0 lab hours
(3c-01-3sh)

Prerequisites: MA 214, MA 121, Jr. Standing,
College of Business or approved major.

Corequisties: none

Study of the process of converting an organization's inputs into

A. Introduction (2 lectures)

Overview of POM techniques and applications in manufacturing and services; systems approach to OM; Interactions and integration of OM with other functional areas; Strategic importance of OM.

B. Quality Management (4 lectures)

What is quality? Customer vs. producer orientation; Cost of quality

H. Waiting Line Models (2 lectures)

Discussion of various simple waiting line models and their applications in the areas such as capacity and resource planning, facility layout, service facility design.

I. Job Design and Work Measurement (3 lectures)

Human-machine interaction and its effects on product and process

IV. EVALUATION METHODS

The final grade for the course will be determined as follows:

Nadler, Gerald, Work Design.

Porter, M. E. Competitive Advantage: Creating and Sustaining

September 28, 2001

To whom it may concern:

Department of the Center for the College of Business and Management Department 10114