Course Title: Production & Operation Management
Course Number: 502704
Credit Hours: 3
Pre requisite:
Placement:
Instructor:
Course Description:
& Operations Management- 1Production 502321
This course will expose the student to the following topics in production management:

1. Operations and Productivity

What Is Operations Management?

Organizing to Produce Goods and Services

Why Study OM?

What Operations Managers Do

The Heritage of Operations Management

Operations in the Service Sector

Exciting New Trends in Operations Management

The Productivity Challenge

Ethics and Social Responsibility

Designing Operations

Design of Goods and Services

Goods and Services Selection

Generating New Products

Product Development

Issues for Product Design

Time-Based Competition
Defining the Product

Documents for Production

3. Location Strategies

   The Strategic Importance of Location

Factors That Affect Location Decisions

Methods of Evaluating Location Alternatives

Service Location Strategy

Issues in Operations Strategy

Strategy Development and Implementation

Global Operations Strategy Options

   Quantitative Module . Transportation Models

Transportation Modeling

Developing an Initial Solution

The Stepping-Stone Method

Special Issues in Modeling

4. Layout Strategy

The Strategic Importance of Layout Decisions

Types of Layout

Office Layout

Retail Layout

Warehousing and Storage Layouts

Fixed-Position Layout

Process-Oriented Layout

Work Cells
5. Maintenance and Reliability

The Strategic Importance of Maintenance and Reliability

Reliability

Maintenance

Total Productive Maintenance

Techniques for Establishing Maintenance Policies

6. Process Strategy

Four Process Strategies

Process Analysis and Design

Service Process Design

Selection of Equipment and Technology

Production Technology

Technology in Services

Process Redesign

Ethics and Environmentally Friendly Processes

Cost-Time Trade-Offs and Proj

**General objectives :**
No Available Information....

**Course outline :**
No Information Available...

**Evaluation methodology :**

**References :**

**Course Schedule :**

*Topic______________________________Hours*
No Information Available...