Contemporary Issues in Operations Management

Course Outline

FPM II Credits: 4

Course Objective:

This course primarily addresses certain contemporary issues in Operations Management. Specifically, the modules covered in this course are Operations Strategy, supply Chain Management, and New Product Development.

Course Pedagogy:

The main objective being exploration of knowledge frontiers, the course material would primarily be drawn from relevant journals. The pedagogy consists of reading and critiquing the relevant journal articles. The participants will make presentations of their critique in the class.

Course Content:

The course consists of three modules. Then number of sessions devoted to various modules are:

Introduction 1

Empirical Research in Operations Management 1

Operations Strategy

Performance Measures 2

Quality 2

Productivity 1

Flexibility 3

Operations Strategy 6

IT in Manufacturing 3

Supply Chain Management 4

New Product Development 5

Term Paper Presentation 1
Course review 1

Total number of sessions 30

Course Evaluation:

Course valuation is based on the presentations and a term paper based on literature review.

Faculty: Janat Shah and LS Murty

List of Module-wise Readings

NPD Module

Session 1: Product Development Framework


Session 2: Product Development performance measures


Session 3:

Calrk, K.B. Project Scope and performance : The effect of parts strategy and supplier involvement on product development , Management science. 35(oct.) . 1247-1263


Session 4:

Session 5:


**SCM Module**

Session 1:


Session 2


Session 3:


Session 4:


**Quality**

Session 1:

David garvin Managing Quality : Ch. 6 &7, Appendix A &B

Session 2


**Performance Measures**
Productivity


Flexibility

Concept:


Empirical Studies:


Mass customization:


Future:


Additional:


**Operations Strategy**

**Concept:**


**Model:**


**Implementation:**


**Inter-functional interfaces:**


**Empirical Studies:**


**Future:**


Additional:


**Impact of Information Integration**


Theodore H. Clark and Janice H. Hammond Reengineering Channel Reordering processes to improve Total supply chain performance POM Vol.6 No. 3 Fall 1997 248-265
