

Centre for Management Studies

Dibrugarh University

Course Code : 20800 [MBA (PT)]

Course Name : Production and Operations Management

Course Type : Core

Prerequisites : None

Objective : The course has been designed to understand the importance of production and operations management so as to positively contribute towards increased productivity, customer satisfaction and profit.

Evaluation : *Internal assessment*: 40 marks (1 Sessional Examination – 10 marks; 1 Practical Examination – 10 marks, Attendance – 5 marks, Assignment – 15 marks); *End Semester Examination*: 60 marks

Instructor : Himadri Barman (himadri@cmsdu.org; <http://himadri.cmsdu.org>)

Detailed Course Outline

Unit 1: Operations Management and Productivity of Organisations – Operating Decision Analysis, Long Range Planning and Design for Operations – Job Design

Unit 2: Method Study and Work Measurement – Facilities Location and Layout

Unit 3: Product and Process Design – Capacity Planning - Aggregate Planning – Production Scheduling and Control

Unit 4: Maintenance Management – Quality Management - Japanese Approach to Operations Management (JIT / TQC)

Unit 5: Project Management – Services Management – Energy Management, Integration of Operations with Organisational Strategy

Suggested Books:

1. Mageo & Boodman : Elements of Production Planning and Control
2. Muhtemam, Oakland : Production and Operations Management - Macmillan