



# C. U. SHAH UNIVERSITY – WADHWAN CITY



## FACULTY OF MANAGEMENT STUDIES

### BACHELOR OF BUSINESS ADMINISTRATION (BBA)

**SEMESTER IV (Four)**

**CODE4MS04POM1**

**Name of Subject** Production and Operation Management

#### Teaching & Evaluation Scheme

Teaching Hours / Week				Evaluation Scheme (Marks)		
Th	Tu	P	Total	Sessional Exam	University Exam	Total
04	0	0	04	30	70	100

#### Objectives

- Terminologies used in production lines and increasing the effectiveness of the production line.

#### Prerequisite

- Basic knowledge of production and materials management.

#### Course outline

Sr. No.	Course Contents	Number of Hours
1	Nature and Scope of Production and Operations Management; Types of Manufacturing Systems (production Processes) Facility Location with examples	12
2	Facility Layouts; Layout Planning and Analysis; Line Balancing— Problems. Understand the basis of inventory management decisions	12
3	The hierarchical approach to planning and various methods of inventory management Capacity and aggregate production planning. Material Handling – Principles- Equipments.	12
4	Project management and operations scheduling (Gantt chart, CPM and PERT methods) Project crashing, Job sequencing (n-jobs on one machine and n jobs on m-machines). JIT and Lean manufacturing systems	12
5	TQM, TAKT, Andons, ISO 9000 and other ISO series Quality control, Acceptance Sampling Industrial Safety and safety management.	12
<b>Total Hours</b>		<b>60</b>

#### Learning Outcomes

##### **Theoretical Outcomes**

Understanding the importance of quality in the manufacturing sector.

**Practical Outcomes**

Application of increasing the productivity of the organization with optimum usage of available resources and reaping profits by adhering to the prescribed quality.

**Teaching – Learning Methodology**

- Lectures
- Assignments
- Presentations
- Case Studies
- Projects

**Recommended Books**

1. **'Operation Management for Competitive Advantage'**, *R.B.Chase, F.R. Aquilano, N.J.Agrawal N.K.*, TMH.
2. **'Production & Operation Management'**, *Kanishka Bedi*, OUP.
3. **'Production & Operation Management'**, *K.Aswathappa & K. Shridhara Bhat*, Himalaya.

**E-Resources:**

1. <http://alison.com/courses/Introduction-to-Operations-Management>
2. <http://www.masterclassmanagement.com/BusinessManagementCourse>