

MBA I Year	MBA-C207		Semester-II		
	Production and Operations Management				
Time Allotted for End Semester Examination	Marks Allotted for Internal Assessment	Marks Allotted for End Semester Examination (ESE)	Maximum Marks (MM)	Total Credits	Maximum Hours
3 Hrs.	30 (20+10)	70	100	03	40

OBJECTIVE: This course is designed to acquaint the students with decision making in planning, scheduling and control of Production/Operation function and the effective acquisition, storage and flow of materials in both manufacturing and service organizations so as to achieve total productivity

- Managing Operations: Nature and scope of Production and Operations Management. **(8 hours)**
- Planning (Designing) the Conversion System: Designing of Products, Services & Processes, Facility Location, Type of Manufacturing Systems and Layout. **Case study1:** Coping with capacity expansion: Go-Goal Hydro's panache **(8 hours)**
- Organizing the Conversion System: Job Design, Production and Operation standards and Work Measurement, Scheduling System, Aggregate Planning for Production and Services. **(8 hours)**
- Controlling the Conversion Process: Inventory Control, MRP, Purchasing. **(8 hours)**
- Modern Operation Systems: Introduction to modern management system— JIT, KANBAN, FMS, TQM—Quality Control, Quality Assurance and Total Quality. **Case study 2:** Enabling excellence in operations through technological innovation **(8 hours)**

SUGGESTED READINGS:

1. Adam, Ebert, & Ronald J. (1992). *Production and Operation Management*. Concepts, Models & Behaviour, PHI, New Delhi
2. Aswathappa, K., & Bhat, Shridhara K. (2011). *Production and Operations Management*. TMH, Delhi.
3. Baff, E.S. (1993). *Modern Production Management*. John Wiley, New York.
4. Charry, S.N. (2005). *Production and Operation Management*. Concepts Methods and Strategy. PHI, New Delhi.
5. Chase, B., Richard, Shankar, R., Jacobs, F.R., Aquilano, N.J. (2009). *Operations and Supply Management*. TMH, Delhi.
6. Garg, Ajay (2011). *Production and Operations Management*. TMH, Delhi.
7. Madan, Pankaj. (2010). *Production and Operation Management*. New Delhi.
8. Mahadevan, B. (2004). *Operations Management; Theory and Practices*. Pearson Education, Delhi.
9. Martinich, J.S. (1997). *Production and Operations Management*. John Wiley and Sons, New York.
10. Pannesseluam, R. (2009). *Production and Operations Management*. PHT, Delhi.
11. William J. S. (2009). *Operation Management*. TMH, New Delhi
12. **Case Study1:** Saroj Koul Mayank Arora, (2012). "Coping with capacity expansion: Go-Goal Hydro's panache", Emerald Emerging Markets Case Studies, Vol. 2 Iss 2 pp. 1 – 11. <http://dx.doi.org/10.1108/20450621211228392>
13. **Case Study2:** Meeta Dasgupta, (2011), "Enabling excellence in operations through technological innovation", Emerald Emerging Markets Case Studies, Vol. 1 Iss 2 pp. 1 – 22. <http://dx.doi.org/10.1108/20450621111151767>

NOTE: The list of cases, specific references and books including recent articles will be announced in the class by concerned Teachers from time to time.