

Production Systems Management

The students will be introduced to production systems, quantitative methods for forecasting, aggregate planning, inventory control, material requirement planning, production scheduling, manpower planning and facility design.

Upon completing this course students should be able to:

- Demonstrate an awareness and an appreciation of the importance of the production systems management to the sustainability of an enterprise.
- Demonstrate a basic understanding of production systems management.
- Demonstrate an awareness of the importance of facility layouts.
- Demonstrate an understanding of the principles of just-in-time systems.
- Explain the importance of forecasting.
- Demonstrate the ability to apply some mathematical forecasting techniques.
- Demonstrate an understanding of the concept of aggregate planning.
- Demonstrate an understanding of the problems involved in inventory management.
- Demonstrate an understanding of the principles underlying materials requirements planning.
- Develop basic materials requirement schedules.
- Demonstrate an understanding of the concepts of operations scheduling.