

LOGMGT-146: Operations Management

Course Description:

This course is designed to acquaint students with the specialized vocabulary and problems encountered in manufacturing management. Tools and techniques for solving production process problems are presented with an emphasis on quality and productivity.

Total Credits: 3.00

Course Competencies

- 1. Examine the role of operations management in both goods and services related industries.**
- 2. Explain how operations management influences the design and management of value chains.**
- 3. Investigate how good measures provide a scorecard of performance, identify performance gaps, and make accomplishments visible to all stakeholders.**
- 4. Explore the reasons why companies may gain competitive advantages by executing an operations strategy.**
- 5. Describe why technological innovation in goods, services, manufacturing, and service delivery is a competitive necessity.**
- 6. Compare the critical differences between goods and service design.**
- 7. Explain why process design is an important operational decision which affects the cost of operations, customer service, and sustainability.**
- 8. Describe how facility layout and work design influence the ability to meet customer wants and needs, enhance sustainability, and provide value.**
- 9. Investigate why having sufficient capacity to meet customer demand is vital to business and long term economic sustainability.**
- 10. Analyze the various forecasting and demand planning used to make better operational decisions.**
- 11. Explore how technology and quantitative tools have impacted the management of inventory.**
- 12. Explain how resources used to produce goods or services must be matched better to the needs of customers and level of demand.**
- 13. Describe how goods schedules and sequences lead to efficient execution of manufacturing and service plans and better customer service.**
- 14. Examine the use of sequenced tasks to deliver a project on-time and within budgetary constraints.**