



ANDHRA UNIVERSITY

ఆంధ్ర విశ్వకళా పరిషత్

Accredited by NAAC with 'A' Grade ISO 9001: 2015 Certified

Course: Production Operations and SCM.

Summary

Course Status :	Upcoming
Course Type :	Elective
Duration :	8 weeks
Last Date for Enrollment :	28th Feb 2022
Start Date :	1 st March 2022
End Date :	30 th May 2022
Exam Date :	15th June 2022
Category :	Management
Credit Points :	2
Level :	Undergraduate/Postgraduate

Course Layout

Week 1: Introduction to Production and Operations Management

1.01 Introduction - 1.02 Meaning and Importance of Production and Operations Management - 1.03 Nature of production/operation - 1.04 Functions of production/operations Manager - 1.05 Operations in Services sector - 1.06 Historical Development of Operations Management - 1.07 Productivity - 1.08 Designing an Operating/production system - 1.09 Operations Strategy - 1.10 Production Budget - 1.11 Current Issues in Operations Management - 1.12 Summary - 1.13 Key Words - 1.14 Self-Assessment Questions - -

Week 2: Product Planning and Development

2.01 Introduction to a Product - 2.02 Importance of Product Planning and Development - 2.03 Difference between Goods and Services - 2.04 Objectives of product planning and development - 2.05 Successful product development - 2.06 Challenges of product development - 2.07 New product development strategy - 2.08 New product development process - 2.09 Product life Cycle - 2.10 Factors

to be considered in new product planning - 2.11 Summary - 2.12 Key Words - 2.13 Self-Assessment Questions

Week 3: Facility Planning

3.01 Introduction - 3.02 Importance of Facility Planning - 3.03 Factors affecting location Decisions - 3.04 Merits and Demerits of different locations - 3.05 Location Rating Models - 3.06 Facility Layout - 3.07 Objectives of Good Plant Layout - 3.08 Principles of Plant Layout - 3.09 Types of Layout - 3.10 Summary - 3.11 Key Words - 3.12 Self-Assessment Questions - -

Week 4: Product Planning and Control (PPC)

4.01 Introduction - 4.02 Importance of Product Planning and Control (PPC) - 4.03 Functions of PPC Department - 4.04 Phases in Production Planning and Control - 4.05 Production Planning - 4.06 Factors determining Production Planning - 4.07 Production Planning System - 4.08 Production Control - 4.09 Production Control System - 4.10 Benefits of PPC - 4.11 Limitations of PPC - 4.12 Summary - 4.13 Key Words - 4.14 Self-Assessment Questions - -

Week 5: Vendor Relation and Purchase Management

5.01 Introduction - 5.02 Importance of Vendor Relations and Purchase Management - 5.03 Functions of Purchase Department - 5.04 Determining Purchasing Needs - 5.05 Preparation of Purchase Budget - 5.06 Vendor Relation Management - 5.07 Vendor Rating and Comparison - 5.08 Negotiations with a Suppliers - 5.09 Issue of Purchase Orders - 5.10 Receiving goods and Inspection - 5.11 Payment to supplier as per terms - 5.12 Follow up and evaluation - 5.13 Make or Buy Decisions - 5.14 Procurement Presentation - 5.15 Do's and don'ts in Procurement Strategy Decisions - 5.16 Collaborative Procurement - 5.17 Supply Risk - 5.18 Procurement Reports - 5.19 Procurement & Finance Collaboration - 5.20 Strategic Sourcing - 5.21 Procurement Ethics - 5.22 Summary - 5.23 Key Words - 5.24 Self-Assessment Questions

Week 6: Management of Inventory

6.01 Introduction - 6.02 Importance of Inventory Management - 6.03 Classification of Inventory - 6.04 Inventory Costs - 6.05 Inventory Levels - 6.06 Methods of Inventory Valuation and Issues - 6.07 Economic Order Quantity (EOQ) - 6.08 EOQ and Discount offers - 6.09 Inventory Turnover analysis - 6.10 Selective Inventory Control - 6.11 ABC analysis - 6.12 Summary - 6.13 Key Words - 6.14 Self-Assessment Questions

Week 7: Introduction to Logistics, Warehouse and Stores Management

7.01 Introduction - 7.02 Importance of Logistics Management - 7.03 Objectives of Logistics Management - 7.04 Activities Included in Logistics - 7.05 Logistics Value proposition - 7.06 Integrated Logistics - 7.07 Logistics Costing - 7.08 Logistics Performance Measurement - 7.09 Designing Distribution Networks - 7.10 E Business Models - 7.11 Summary - 7.12 Key Words - 7.13 Self-Assessment Questions - - 8.01 Introduction - 8.02 Warehouse Management - 8.03 Storehouse Operations - 8.04 Material Handling - 8.05 Packaging - 8.06 Scrap/Waste Disposal - 8.07 Transportation Management - 8.08 Transportation documentation - 8.09 Summary - 8.10 Key Words - 8.11 Self Assessment Questions

Week 8: Supply Chain Management

9.01 Introduction - 9.02 Importance of Supply Chain Management - 9.03 Evolution of Supply Chain Management - 9.04 SCM practices - 9.05 Designing Supply Chain - 9.06 Supply Chain and Competitive Performance - 9.07 Summary - 9.08 Key Words - 9.09 Self-Assessment Questions - - 10.01 Introduction - 10.02 Globalization of Business - 10.03 Global Logistics - 10.04 Global Logistics Strategies - 10.05 Global Logistics Management Process - 10.06 Global Supply Chain Management - 10.07 Process of Global SCM - 10.08 Global Sourcing - 10.09 Global Distribution - 10.10 Free Trade Zones - 10.11 Summary - 10.12 Key Words - 10.13 Self-Assessment Questions - -11.01 Introduction - 11.02 Role of IT in Logistics Management - 11.03 Computer Aided Design (CAD) - 11.04 Computer Aided Manufacturing (CAM) - 11.05 Flexible Manufacturing System (FMS) - 11.06 Computer Integrated Manufacturing (CIM) - 11.07 Just In Time (JIT) - 11.08 Layout Design Procedure - 11.09 Procurement Software - 11.10 Logistics Information Systems - 11.11 Enterprise Resource Planning (ERP) - 11.12 Material Resource Planning (MRP) - 11.13 Summary - 11.14 Key Words - 11.15 Self-Assessment Questions

Books and References

Operations Management: Processes and supply chain - Twelfth Edition - By Pearson by e J. Krajewski Le, K. Malhotra Manoj,

Certificate Course

The course is free to enroll and learn from.

Date of Online Exams: **15th June 2022**, Time: 3 pm to 6pm.

More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.

CRITERIA TO GET A CERTIFICATE

- Continuous Evaluation – 25% weightage, Students need to complete 2 Assignments per Course through LMS
- Exam Score = 75% Weightage, Students to Attempt the Examinations for 75 Marks through LMS
- Passing Criteria – 40%

Only the e-certificate will be made available. Hard copies will not be dispatched.

Once again, thanks for your interest in our online courses and certification. Happy learning