Per the publisher's request, the full file is available after purchase.

APPLIED OPERATIONS MANAGEMENT: MANAUFACTURING AND SERVICES



Delta Publishing Company

Copyright © 2008 by

DELTA PUBLISHING COMPANY

P.O. Box 5332, Los Alamitos, CA 90721-5332

All rights reserved. No part of this course may be reproduced in any form or by any means, without permission in writing from the publisher.

PREFACE

Applied Operations Management provides a clear and concise introduction to operations management, which involves the planning, coordinating, and executing of all activities that create goods or services. The course operations management is offered in a variety of titles including production/operations management, analysis for production systems, design and engineering of production systems, etc.

This course focuses on the fundamentals and essentials needed to understand how operations strategies are carried out and they are tackled using new concepts and tools. It illustrates decisions with many solved problems to test and help students reinforce their understanding of the subject. It covers many application-oriented problems that help readers to relate, to integrate, to discover, and, in general, to gain useful insights. Further, many business professionals can benefit from this up-to-date course containing the latest techniques and methods.

The course presents, in an integrated fashion, much of the material covered in the exams leading to professional status as a Certified Production and Inventory Manager (CPIM). The CPIM exams and certification are administered by the American Production and Inventory Control Society (APICS).

TABLE OF CONTENTS

- 1. What Is Production / Operations Management?
- 2. Tools for Decision Making
- 3. Demand Management and Forecasting
- 4. Process Selection and Capacity Planning
- 5. Facility Location Planning
- 6. Design of Work Systems
- 7. Facilities Positioning
- 8. Production Planning Systems: Aggregate Planning and Master Production Scheduling
- 9. Independent Demand Inventory Systems
- 10. Material Requirement Planning and Just-In-Time Systems
- 11. Planning and Controlling Projects
- 12. Analysis of Waiting Lines and Queuing
- 13. Quality Control and Continuous Improvement

Appendix

Glossary

Per the publisher's request, the full file is available after purchase.