



Education within the reach of all
A ministry of Calvary Chapel-Port-au-Prince
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Syllabus

Course Title

OPERATIONS AND PRODUCTION MANAGEMENT (OPM)

General Objective :

- Enable students to recognize the importance of productivity and quality in managing an organization's operations;
- Master a set of appropriate planning, organizing, and control techniques;
- Understand the role of operations and production management in a company.

Course outline

Chapter I: Introduction to OPM This chapter describes the international economic environment and introduces the function and purpose of OPM. It also provides a historical overview of its evolution and distinguishes between a service company and an industrial company. The chapter also explains the OPM system and technology management.

Chapter II: Techniques and Tools of OPM This chapter addresses the financial aspects of OPM, market analysis, demand planning, and demand forecasting techniques. The chapter also presents demand characteristics and different forecasting techniques, such as qualitative techniques and time series analysis.

Chapter III: Integrated Production Plan In this chapter, production strategy and costs related to the production plan are presented. The planning process and the development of the production plan are also explained.

Chapter IV: Inventory Management (Part 1) This chapter presents inventory functions, inventory management objectives, and different types of costs. It also describes inventory classification and the financial aspects related to inventory management. The chapter also introduces ABC analysis, which classifies items based on their importance.

Chapter V: Inventory Management (Part 2) / Order Policy This chapter discusses deterministic demand and demand that varies over time. Different order policies are described, such as fixed quantity order, lot-for-lot order, fixed-period order, periodic order, and the economic order quantity (EOQ) method.

Chapter VI: Inventory Management (Part 3) / Safety Stock and Control System This final chapter explains how to calculate safety stocks and presents inventory control systems. It also describes the importance of safety stock in inventory management and how the control system minimizes costs associated with inventory management.

Pedagogy and Evaluation:

The course will be delivered through lectures, tutorials, and case studies.

