

Summary

5.5 Production Planning (HL)

Subject	Year	Start date	Duration
Business Management	IB1	Week 2, March	1 week

Course Part

Unit 5: Operations Management

Description

By the end of this Subtopic 5.5 - Production planning, you should be able to:

- Explain the supply chain process.
- Distinguish between 'just in time' and 'just in case'.
- Draw and interpret a stock control chart, including the following parts:
 - Lead time
 - Buffer stock
 - Re-order level
 - Re-order quantity.
- Calculate and interpret the following operations management calculations:
 - Capacity utilisation rate
 - Productivity rate
 - Cost to buy (CTB)
 - Cost to make (CTM).
- Analyse the reasons for 'to buy' or 'to make' decisions.

Inquiry & Purpose

Inquiry / Higher Order Questions

Type

Inquiry Questions

Skills-based

Is a quality product always more expensive to manufacture or buy than a mediocre product?
How does time perspective affect our assessment of such statements?

Curriculum

Aims

Enable the student to collect, describe and analyse data used in studies of society, to test hypotheses, and to interpret complex data and source material

◇ Objectives

Demonstrate synthesis and evaluation of

the HL extension topics (HL only)

Demonstrate a variety of appropriate skills to

select and use quantitative and qualitative business tools, techniques and methods

📖 Syllabus Content

Unit 5: Operations management

5.5 Production planning (HL only)

The supply chain process

The difference between JIT and just-in-case (JIC)

Stock control charts based on the following: lead time, buffer stock, re-order level re-order quantity

Capacity utilization rate

Productivity rate

Cost to buy (CTB)

Cost to make (CTM)

💡 Concepts

Change

Competition, new technologies and markets, and trends in consumer behaviour lead business organizations to adapt their objectives, strategies and operations. Success emerges from the ability to research and respond to signals in both the internal and external environment.

📊 ATL Skills

👤 Approaches to Learning



Thinking

- In this unit, we will
reward a new personal understanding, solution or approach to an issue



Social

- In this unit, we will
give a group assessment task



Developing IB Learners

☆ Learner Profile



Principled



Balanced