

International Operations Management

Language: English

Level of Spanish required: Not required

Course description

Operations area is a business field that has increased its importance in the present global market. This course aims to provide students with the main concepts of this area and the effective methods so that they understand and apply them either in industrial or service industries. The objective is that at the end of the course, students can identify and solve problems related to the management of production as well as make decisions on how to manage the production system of a company.

Methodology

The class will consist on a lecture but also in discussion with the students about the notes and other supplementary material that may be uploaded on the course website at least one day before the scheduled lecture.

Assessment

Exam: 40%

Essay: 40%

Assistance and class participation: 20%

Syllabus

1. Introduction to Operations Management
2. Tactical decisions in Operations Management
3. Strategic decisions in Operations Management

Weekly program

WEEK ONE

Classes	Subjects
Class 1	Introduction to Operations Management.
Class 2	Managerial Accounting.

WEEK TWO

Classes	Subjects
Class 3	Tactical decisions in Operations Management: Aggregate Planning.
Class 4	Tactical decisions in Operations Management: MRP I.

WEEK THREE

Classes	Subjects
Class 5	Tactical decisions in Operations Management: MRP II.
Class 6	Tactical decisions in Operations Management: Operations Scheduling.

WEEK FOUR

Classes	Subjects
Class 7	Tactical decisions in Operations Management: Quality Control.
Class 8	Strategic decisions in Operations Management: introduction.

WEEK FIVE

Classes	Subjects
Class 9	Design of production process and layout distribution.

Class 10	Production balancing. Case study.
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WEEK SIX

Classes	Subjects
Class 11	Just in Time.
Class 12	Theory of Constraints.

WEEK SEVEN

Classes	Subjects
Class 13	Quality Management.
Class 14	Business Logistics.

WEEK EIGHT

Classes	Subjects
Class 15	Human Capital Management.
Class 16	Financial and Project Management.
Class 17	Final Exam

Bibliography

- HEIZER, Jay; RENDER, Barry; MUNSON, Chuck. Principles of Operations Management : sustainability and supply chain management. 10th ed. Essex, England : Pearson Education Limited, 2017

- LESEURE, Michel. Key concepts in operations management. Los Angeles: SAGE, 2010
- SLACK, Nigel; BRANDON-JONES, Alistair; JOHNSTON, Robert. Operations Management. 7th ed. Harlow; England; PEARSON, 2013
- WALLER, Derek L. Operations Management : a supply chain approach. 2nd ed. London: Thomson, 2003

Exercises:

- CASTÁN FARRERO, José M^a., GUITART TARRÉS, Laura. Dirección de operaciones : manual de ejercicios. Barcelona : Publicacions i Edicions de la Universitat de Barcelona, 2012