**PRODUCTION OPERATIONS MANAGEMENT - 30117**

**Learning outcomes:**

After successfully studying this course, students will

- Distinguish the different production strategies and identify the influence of the globalisation of operations in the company’s production strategy. They will be able to plan this strategy.
- Relate types of production processes with the life cycle of the product on the market and select the production process according to different parameters.
- Know how to apply techniques of analysis to select the most suitable production process.
- Relate plant distribution types with the production system and know how to balance assembly lines.
- Apply techniques of distribution in plant.
- Know how to use different diagrams representing methods of work.
- Identify the different stages in the improvement of a production process.
- Apply techniques of measuring times and calculation of task time.
- Organise the planning, programming and control of a company's production.
- Use techniques and applications to manage the process of production of the company and be capable of putting them into practice in real-world environments.
- Take decisions on programming production taking capacity analysis into account.
- Apply techniques and operations programming models for decisions of allocation and sequencing of work.
- Know how to use techniques for the continuous improvement of the production processes of the company.

**Course Outline:**

1. Introduction to Production Management
2. Production Management Strategy
3. Product Design
4. Production Process
5. Programming
6. Maintenance

**Teaching Activities:**

1. Lecture sessions that enable knowledge to be transmitted to the students and encourage them to participate.
2. Practical sessions in which the students will perform activities such as oral presentations, readings, case studies, problems, exercises, assessment tests etc.

**Assessment:** Coursework (40%) and a final exam (60%).

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