

# Course : The fundamentals of production management

Practical course - 2d - 14h00 - Ref. GPR

Price : 1280 € E.T.

 4,4 / 5

BEST

This course will introduce you to the essential elements of production management. It will show you how to implement it, monitor performance using relevant indicators and improve productivity.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding the challenges of production management
- ✓ Use production management tools and master calculations
- ✓ Monitor and optimize production

## Intended audience

Toute personne souhaitant découvrir les principes de la gestion de production pour utiliser un ERP.

## Prerequisites

No special knowledge required.

## Practical details

### Exercise

Alternating theoretical and practical inputs. Group work.

## Course schedule

### 1 Discover production management

- Understand the fundamentals of production management and its history.
- Understand the challenges of production management: just-in-time, inventory and service rates.
- Distinguish between types of industrial process: continuous, batch.

### Storyboarding workshops

Study of participants' testimonials and experiences.

## PARTICIPANTS

Toute personne souhaitant découvrir les principes de la gestion de production pour utiliser un ERP.

## PREREQUISITES

No special knowledge required.

## TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

## ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

## 2 Describe the production process

- Draw up a process map.
- Distinguish between material and information flows.
- Calculate capacity and loads.
- Identify ways of influencing capacity and load.
- Calculate synthetic and total rates of return.
- Implement the three key concepts of effective management: availability, performance and quality.

### Exercise

Perform simple calculations to put concepts into practice on a production flow.

## 3 Managing inventory

- Understand the roles and types of inventory in production.
- Classify stocks to distinguish them.
- Manage inventory costs.
- Calculate the optimum economic order quantity.
- Monitor physical inventory management.

### Exercise

Practical illustration with calculation exercises.

## 4 Production planning

- Understand the different levels of planning (SOP, MPS, net requirement calculations), make forecasts.
- Distinguish between production management levels: plans and net requirements.
- Discover ERP.
- Understand technical data: parts lists, product sheets, operating ranges, etc.
- Scheduling and load smoothing.
- Monitor achievements.

### Exercise

Calculations and interpretations based on examples.

## 5 From push to pull

- Implement reflex, visual and supermarket sourcing.
- Implement Kanban.
- Synchronize procurement or management with MRP.
- Manage the pull method of supply with suppliers.
- Develop unit flow, SMED.

### Group discussion

Discussions based on numerous illustrations.

## Dates and locations

### REMOTE CLASS

2026: 9 Mar., 8 June, 17 Sep., 30 Nov.

### PARIS LA DÉFENSE

2026: 8 June, 17 Sep., 30 Nov.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) to review your request and its feasibility.