

# Course : Shop floor planning

**scheduling, launch and follow-up**

**Practical course - 2d - 14h00 - Ref. ODS**

**Price : 1500 CHF E.T.**

★★★★☆ 4,1 / 5

Workshop planning is subject to conflicting constraints: meeting deadlines, responsiveness, maximizing productivity, minimizing work-in-process. This training course gives you the keys to managing your workshop on a daily basis, while respecting your own constraints and those of your customers.

## Teaching objectives

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

- ✓ Master the global context of planning, in particular MRP
- ✓ Choose scheduling rules and know their limits
- ✓ Tools for arbitrating trade-offs between work-in-progress, productivity and responsiveness
- ✓ Optimized progress monitoring
- ✓ Continuous improvement of the planning process
- ✓ Launching pull-flow production

## Intended audience

Planners and schedulers, team leaders, anyone responsible for managing production flows and drawing up schedules.

## Prerequisites

No special knowledge required.

## Practical details

### Hands-on work

Practical work, role-playing, quizzes. Final mapping practice session: staking-ordering-launching-final follow-up.

## Course schedule

### PARTICIPANTS

Planners and schedulers, team leaders, anyone responsible for managing production flows and drawing up schedules.

### 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.

## 1 Planning and scheduling to guarantee deadlines and responsiveness

- Some industry background.
- Take stock of your planning processes.
- Identify logistics functions in industrial companies.
- Distinguish between the 5 types of activity and their impact on planning strategies.
- Mark out, schedule and launch.
- Understand the influence of staking on inventories and work-in-progress.

### Hands-on work

Identify the main hazards in scheduling. Identify what creates WIP. Kanban demonstration: first push-flow simulation.

## 2 Les bases de la planification : MRP et Approvisionnements

- Project planning: using GANTT.
- Master MRP mechanisms: PIC/PDP, CBN.
- Control supplies.
- Distinguish between push, pull, tense and synchronous flows.

### Hands-on work

Perform PIC and CBN calculations. Visualize influencing parameters. Kanban TD: 2nd pull-flow simulation.

## 3 Mastering scheduling: tools and settings

- Apply scheduling techniques, including [[finite capacity]].
- Arbitrate trade-offs to optimize total costs.
- Use the QEC (economic quantity to order) model and the theory of bottleneck constraints.

### Exercise

Choose the right priority rules for your flows. Evaluate the financial impact of outstandings.

## 4 Monitoring and improving for better control

- Responding to workshop issues.
- Follow: better coordination.
- Monitor progress: potential drifts.
- Take action: optimize your work plan.
- Lead workshop meetings, including progress monitoring and rescheduling.
- Promote workshop autonomy.
- Optimize Quality, Costs and Delivery.

### Hands-on work

Optimize your work plan. Leading an AIC (Animation à Intervalle Court) workshop progress meeting. Mapping: milestones-ordering-launching-final follow-up. Final quiz.

### 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 to review your request and its feasibility.

## Dates and locations

### REMOTE CLASS

2026 : 2 Apr., 1 June, 14 Sep., 23 Nov.