

OPERATIONS & SUPPLY CHAIN | COURSE BROCHURE

Production Planning and Scheduling

5 days | Classroom training | English

SMART HORIZON

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Course content

Why attend

Effective production planning ensures that the right products are made at the right time with the right resources. This course covers master production scheduling, material requirements planning, capacity planning, detailed scheduling, sequencing, bottleneck management and performance measurement.

Poor planning causes late orders, idle capacity and excess inventory. This course gives planners practical tools to balance service, cost and efficiency.

Professional Problems This Course Is Designed to Solve

• Difficulty translating subject knowledge into practical workplace decisions.
• Inconsistent approaches to the activities covered in the course outline.
• Lack of a structured plan for applying and reviewing new skills.

Course methodology

The course uses planning exercises, scheduling simulations, case studies and spreadsheet tools.

Course objectives

By the end of this course, participants will be able to:
• Explain the production planning hierarchy
• Develop master production schedules
• Apply material requirements planning
• Plan and balance capacity
• Schedule and sequence production
• Measure and improve planning performance

Target audience

This course is suitable for:
• Production planners and schedulers
• Production managers
• Supply chain planners
• Operations engineers
• Materials managers



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Target competencies

Participants will develop competencies in:

- Master scheduling
- MRP
- Capacity planning
- Scheduling and sequencing
- Bottleneck management
- Planning KPIs

Course outline

Day 1: Planning Framework

09:00–09:54	Planning hierarchy
09:54–10:48	Make-to-stock and make-to-order
10:48–11:00	Planning parameters
11:00–11:30	**Coffee break**
11:30–12:12	Planning parameters (continued)
12:12–13:06	ERP role
13:06–14:00	Exercise: Planning process review

Day 2: Master Production Scheduling

09:00–09:54	Demand inputs
09:54–10:48	MPS development
10:48–11:00	Time fences
11:00–11:30	**Coffee break**
11:30–12:12	Time fences (continued)
12:12–13:06	Available to promise
13:06–14:00	Lab: Building an MPS



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Day 3: Materials and Capacity

09:00–09:54	MRP logic
09:54–10:48	Bills of materials
10:48–11:00	Rough-cut capacity
11:00–11:30	**Coffee break**
11:30–12:12	Rough-cut capacity (continued)
12:12–13:06	Capacity requirements
13:06–14:00	Lab: MRP calculation

Day 4: Scheduling

09:00–09:54	Scheduling rules
09:54–10:48	Sequencing and changeovers
10:48–11:00	Theory of constraints
11:00–11:30	**Coffee break**
11:30–12:12	Theory of constraints (continued)
12:12–13:06	Finite scheduling
13:06–14:00	Simulation: Shop floor scheduling

Day 5: Performance

09:00–09:54	Schedule adherence
09:54–10:48	Planning KPIs
10:48–11:00	Planning meetings
11:00–11:30	**Coffee break**
11:30–12:12	Planning meetings (continued)
12:12–13:06	Improvement
13:06–14:00	Capstone: Planning improvement plan

The timings provided are estimates and may vary depending on the number of participants and the discussions taking place during the



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sessions. They are indicative only and do not constitute a binding commitment.

Dates, venues and fees

Current published course plans. Fees are per participant in EUR, excluding unconfirmed taxes.

Venue	Start date	End date	Fee (EUR)
Singapore Confirmed dates	9 Nov 2026	13 Nov 2026	**€2,820.–**
Online Confirmed dates	9 Nov 2026	13 Nov 2026	**€1,250.–**
Barcelona Confirmed dates	16 Nov 2026	20 Nov 2026	**€2,840.–**
Online Confirmed dates	16 Nov 2026	20 Nov 2026	**€1,250.–**
London Confirmed dates	23 Nov 2026	27 Nov 2026	**€2,450.–**
Online Confirmed dates	23 Nov 2026	27 Nov 2026	**€1,250.–**
Dubai Confirmed dates	7 Dec 2026	11 Dec 2026	**€3,150.–**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Frankfurt Confirmed dates	14 Dec 2026	18 Dec 2026	**€2,650.–**
Online Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,250.–**
Kuala Lumpur Confirmed dates	11 Jan 2027	15 Jan 2027	**€1,450.–**
Online Confirmed dates	11 Jan 2027	15 Jan 2027	**€1,250.–**
Paris Confirmed dates	25 Jan 2027	29 Jan 2027	**€2,860.–**
Online Confirmed dates	25 Jan 2027	29 Jan 2027	**€1,250.–**
Istanbul Confirmed dates	8 Feb 2027	12 Feb 2027	**€2,650.–**
Online Confirmed dates	8 Feb 2027	12 Feb 2027	**€1,250.–**
Cape Town Confirmed dates	15 Feb 2027	19 Feb 2027	**€1,890.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	15 Feb 2027	19 Feb 2027	**€1,250.-**
Amsterdam Confirmed dates	22 Feb 2027	26 Feb 2027	**€2,540.-**
Online Confirmed dates	22 Feb 2027	26 Feb 2027	**€1,250.-**
Singapore Confirmed dates	8 Mar 2027	12 Mar 2027	**€2,820.-**
Online Confirmed dates	8 Mar 2027	12 Mar 2027	**€1,250.-**
London Confirmed dates	22 Mar 2027	26 Mar 2027	**€2,450.-**
Online Confirmed dates	22 Mar 2027	26 Mar 2027	**€1,250.-**
Rome Confirmed dates	5 Apr 2027	9 Apr 2027	**€2,450.-**
Online Confirmed dates	5 Apr 2027	9 Apr 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Dubai Confirmed dates	12 Apr 2027	16 Apr 2027	**€3,150.–**
Online Confirmed dates	12 Apr 2027	16 Apr 2027	**€1,250.–**
Frankfurt Confirmed dates	26 Apr 2027	30 Apr 2027	**€2,650.–**
Online Confirmed dates	26 Apr 2027	30 Apr 2027	**€1,250.–**
Kuala Lumpur Confirmed dates	10 May 2027	14 May 2027	**€1,450.–**
Online Confirmed dates	10 May 2027	14 May 2027	**€1,250.–**
Paris Confirmed dates	24 May 2027	28 May 2027	**€2,860.–**
Online Confirmed dates	24 May 2027	28 May 2027	**€1,250.–**
Rome Confirmed dates	7 Jun 2027	11 Jun 2027	**€2,450.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	7 Jun 2027	11 Jun 2027	**€1,250.-**
Istanbul Confirmed dates	14 Jun 2027	18 Jun 2027	**€2,650.-**
Online Confirmed dates	14 Jun 2027	18 Jun 2027	**€1,250.-**
Amsterdam Confirmed dates	21 Jun 2027	25 Jun 2027	**€2,540.-**
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**€1,250.-**
Singapore Confirmed dates	12 Jul 2027	16 Jul 2027	**€2,820.-**
Online Confirmed dates	12 Jul 2027	16 Jul 2027	**€1,250.-**
London Confirmed dates	26 Jul 2027	30 Jul 2027	**€2,450.-**
Online Confirmed dates	26 Jul 2027	30 Jul 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Dubai Confirmed dates	9 Aug 2027	13 Aug 2027	**€3,150.-**
Online Confirmed dates	9 Aug 2027	13 Aug 2027	**€1,250.-**
Cape Town Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,890.-**
Online Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,250.-**
Frankfurt Confirmed dates	23 Aug 2027	27 Aug 2027	**€2,650.-**
Online Confirmed dates	23 Aug 2027	27 Aug 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	13 Sept 2027	17 Sept 2027	**€1,450.-**
Online Confirmed dates	13 Sept 2027	17 Sept 2027	**€1,250.-**
Paris Confirmed dates	20 Sept 2027	24 Sept 2027	**€2,860.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**€1,250.-**
Vienna Confirmed dates	4 Oct 2027	8 Oct 2027	**€2,940.-**
Online Confirmed dates	4 Oct 2027	8 Oct 2027	**€1,250.-**
Istanbul Confirmed dates	11 Oct 2027	15 Oct 2027	**€2,650.-**
Online Confirmed dates	11 Oct 2027	15 Oct 2027	**€1,250.-**
Amsterdam Confirmed dates	25 Oct 2027	29 Oct 2027	**€2,540.-**
Online Confirmed dates	25 Oct 2027	29 Oct 2027	**€1,250.-**
Singapore Confirmed dates	8 Nov 2027	12 Nov 2027	**€2,820.-**
Online Confirmed dates	8 Nov 2027	12 Nov 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
London Confirmed dates	22 Nov 2027	26 Nov 2027	**€2,450.–**
Online Confirmed dates	22 Nov 2027	26 Nov 2027	**€1,250.–**
Dubai Confirmed dates	6 Dec 2027	10 Dec 2027	**€3,150.–**
Online Confirmed dates	6 Dec 2027	10 Dec 2027	**€1,250.–**
Frankfurt Confirmed dates	13 Dec 2027	17 Dec 2027	**€2,650.–**
Online Confirmed dates	13 Dec 2027	17 Dec 2027	**€1,250.–**



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Plan your next step

Dates, availability, exact venue, taxes, inclusions and payment terms require written confirmation. This brochure is not a quotation, registration, booking confirmation or visa invitation. Participants receive a Smart Horizon certificate of attendance; programmes are not externally accredited and do not award a professional qualification or designation. Confirm arrangements before booking travel.

For group or in-house training, contact our learning team to discuss your objectives and delivery arrangements.

Contact Smart Horizon

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