Garnet
Garnet Global Training Center

GGT-MF-111

Manufacturing & Industrial Engineering

MRP & Materials Planning

تخطيط الاحتياجات من المواد (MRP)

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (management)**

Overview

MRP & Materials Planning equips managers and specialists to plan, organise and control this area of work, set targets and measure results. Run productive, high-quality factories with lean methods, planning and modern manufacturing technology. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Set up and run MRP & Materials Planning as a managed process with clear roles.
- Report clearly to senior management and stakeholders.
- Manage contractors, suppliers and internal customers.
- Plan resources, budgets and schedules realistically.
- Define KPIs and build simple dashboards for management.

Who should attend

Production managers, industrial and manufacturing engineers, plant supervisors. It suits supervisors, section heads and specialists who manage, or are about to manage, this area.

Key topics

- Production systems
- Lean and waste reduction
- Planning and scheduling
- Quality at source
- Automation and Industry 4.0
- Productivity measurement

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 MRP & Materials Planning: the management framework

- Quality at source
- Hands-on workshop on a workplace challenge

Day 2 Planning, resources and budgets

- Automation and Industry 4.0
- Productivity measurement

Day 3 Performance measurement and control

- Production systems
- Common mistakes and how to avoid them

Day 4 Risk, compliance and improvement

- Lean and waste reduction
- Regional and international case studies

Day 5 Management case study and action plan

- Planning and scheduling
- Checklists and templates to take away

10-day outline

Day 1 MRP & Materials Planning: the management framework

- Quality at source
- Hands-on workshop on a workplace challenge

Day 2 Planning, resources and budgets

- Automation and Industry 4.0
- Productivity measurement

Day 3 Performance measurement and control

- Production systems
- Common mistakes and how to avoid them

Day 4 Risk, compliance and improvement

- Lean and waste reduction
- Regional and international case studies

Day 5 Management case study and action plan

- Planning and scheduling
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Group discussion and peer review

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Measurement and reporting

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
17–21 May 2027	5-day classroom	Kuala Lumpur	English	4,750
16–20 Aug 2027	5-day online	Live online	English	2,950
1–12 Nov 2027	10-day classroom	Dubai	English	8,950
5–9 Dec 2027	5-day classroom	Jeddah	English	4,750
12–23 Jun 2028	10-day online	Live online	Arabic	5,450
9–20 Jul 2028	10-day classroom	Kuwait City	English	8,950
18–22 Sep 2028	5-day classroom	London	English	4,750
19–23 Nov 2028	5-day classroom	Cairo	English	4,750
11–15 Feb 2029	5-day classroom	Jeddah	English	4,750

Dates	Format	City	Language	Fee (USD)
7–11 May 2029	5-day online	Live online	Arabic	2,950
8–19 Oct 2029	10-day classroom	Geneva	English	8,950
12–16 Nov 2029	5-day classroom	Dubai	Arabic	4,750
6–10 Jan 2030	5-day classroom	Jeddah	Arabic	4,750
1–12 Apr 2030	10-day online	Live online	English	5,450
6–10 May 2030	5-day classroom	Dubai	Arabic	4,750
18–29 Nov 2030	10-day classroom	Casablanca	Arabic	8,950

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/