



Module PD 1: Injection Moulding for Beginners. Duration: 4 days.

- Module 1 - Health and Safety in the workplace.
- Module 2 - Fundamental principles of Speed and Pressure.
- Module 3 - Mould Protection.
- Module 4 - Fundamental principles of Injection Moulding.
- Module 10 - The Importance of Quality.
- Module 11 - Simple Tooling Care and maintenance.

Module PD 2: Injection Moulding for Setters. Duration: 3 days.

- Module 1 - Health and safety in the workplace.
- Module E - Safe Mould Mounting.

Module PD 3: Intermediate Injection Moulding Theory. Duration 5 days.

- Module 5 - The Importance of Process Monitoring.
- Module 6 - Machine Design and Construction.
- Module 7 - Clamp Force and Shot Weight Calculation.
- Module 8 - Machine Control.
- Module 9 - Moulding Faults, Causes and Remedies.
- Module C - Basic Tool Design

Module PD 4: Intermediate Injection Moulding Practical. Duration 4 days.

- Module A - Zero Parameter set up – Clamp End.
- Module B - Zero Parameter set up – Injection End.

Module PD 5: Basic Understanding of Plastics Materials. Duration 3 days.

- Module 12 - Plastic Materials 1 – Basic Material Concepts
- Module 13 - Plastic Materials 2. – Polymers and Additives

Module PD 6: Advanced Understanding of Plastics Materials. Duration 3 days

- Module 14 - Plastic Materials 3 – Morphology and Crystallinity
- Module 15 -- Plastic Materials 4 – TG and Design Influences
- Module 16 - Fluid Dynamics.

Module PD 7: Advanced Injection Moulding. Duration 5 days.


- Module D - Processing and Trouble Shooting.
- Module 17 - The Scientific Process Set up.

The above PD Module courses can be delivered as one continuous Module as defined above or as individual Modules over a period of time to gain a Module Professional Development (PD) Award.

Notes

1. To undertake training courses at your facility Sierra 57 Consult trainer will require access to a training room (with overhead projector or large screen TV monitor and flipchart or white board), moulding machine (one per 3 trainees), and supply of thermoplastic materials for practical exercises plus 2 - 3 tools where practical elements are delivered as part of a module.



I.M3  **Quality Assured
& PD Approved
2022**

2. Sierra 57 advise a skills gap analysis / test across all mould setting staff to determine level of training required to ensure training investment is delivered at correct levels. Cost per member of staff £50.00 (50% of this cost will be discounted against the first course each individual undertakes)
3. Trainer's travel, accommodation, and subsistence costs to be advised upon instruction to proceed with training assignment.
4. All modules can be subject to additional monitoring as and when required to confirm understanding, there is an extra cost for this service.
5. All modules have some degree of written and/or practical assessment

Payment Terms

35% on placement of order for training payable within 14 days from receipt of order

35% due at start of training payable 7 days from receipt of invoice

30% due at completion of training payable on receipt of invoice

Trainer's travel, accommodation, and subsistence payable within 7 days from receipt of invoice

Sierra 57 Consult will exercise our statutory right to claim interest (at 8% over the Bank of England base rate) and compensation for debt recovery under the Late Payment legislation if we are not paid according to our agreed credit terms.

Cancellation policy

50% of course cost for courses cancelled 0 to 7 days before delivery date

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