

Rheology Boot Camp Agenda

MCR Rheometer and DMA User Course

Day 1 Hardware and Software

- 08:15 Registration
- 08:30 Hardware - overview, installation requirements, measuring ranges, care, adjustments, calibration checks
- 10:30 Coffee break
- 10:45 Software – basic layout, test definitions, tables, diagrams, configurations, service functions, modifying preconfigured apps
- 12:45 Lunch
- 13:15 Software continued
- 15:15 Coffee break
- 15:30 Lab session
 - Hardware - MCR care, connections, exchanging chambers and accessories, front panel operations
 - Software - configurations, adjustments, calibration checks, data handling, review of and modifying preconfigured apps
- 17:45 End of Boot Camp Day One

Day 2 Fundamentals of Rheology: Rotational Measurements - Viscosity and Flow Property Measurements

- 08:30 Recap of Day1
- 08:45 Principles, definitions, test methods, applications, data interpretation
- 10:30 Coffee break
- 10:45 Principles, definitions, test methods, applications, data interpretation, software
- 12:45 Lunch
- 13:15 Lab session – rotational measurements
- 15:15 Coffee break
- 15:30 Lab session – rotational testing
- 17:45 End of Boot Camp Day Two

Day 3 Fundamentals of Rheology: Viscoelastic Measurements – Transient and Oscillatory Measurements

- 08:30 Recap of Day 2
- 08:45 Transient measurements - principles, definitions, test methods, applications, data interpretation, software
- 10:30 Coffee break
- 10:45 Oscillatory measurements - principles, definitions, test methods, applications, data interpretation, software
- 12:45 Lunch
- 13:15 Lab session – transient and oscillatory measurements
- 15:15 Coffee break
- 15:30 Lab session – oscillatory measurements
- 17:45 End of Boot Camp Day Three

Day 4 Making Effective Measurements

- 08:30 Recap of Day 3
- 08:45 Choosing the correct measuring system; selecting the test method that provides the desired information
- 10:30 Coffee break
- 10:45 Troubleshooting problems with test settings; mitigating errors stemming from external factors
- 12:45 Lunch
- 13:15 Data review from Day 2-3 measurements and examples for resolving measurement errors
- 14:30 End of Rheology Boot Camp