2023 Scheduled Training Course Calendar



Independent experts providing training and consultancy in the analytical science fields of **Gas Chromatography** (GC, GCxGC), **Liquid Chromatography** (HPLC, UHPLC, LCxLC), **Mass Spectrometry** (GC-MS, LC-MS, ICP-MS, MALDI-TOF), **Spectroscopy** (ICP-OES, FTIR, UV-Vis, AA), **Mass Spectrometry Imaging** (DESI, MALDI, SIMS), **Physical & Structural Properties of Molecules** (KF, LDA, PXRD), **Thermal Analysis** (DSC, TGA) and all their related techniques.

Courses	Day*	Price [†]	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Absolute Basics courses														
GC & GC-MS	1	£385	13		3			2			1			1
Atomic Absorption Spectroscopy	1	£385	16						3					
HPLC & LC-MS	1	£385	20			21						16		
ICP-0ES & ICP-MS	1	£385		27				19			18			
Anion Exchange Chromatography	1	£385			24									
Size Exclusion	1	£385				17								
Deconvolution	1	£385				20								
Karl Fischer	2hrs	£120					22						22	
Thermal Gravimetric Analysis	1.5hrs	£90					22						22	
Differential Scanning Calorimetry	3.5hrs	£210					22						22	
Laser Diffraction Analysis	2hrs	£120					23						23	
Powder X-ray Diffraction	4.5hrs	£270					23						23	
Absolute Basics courses continued														
Mass Spectrometry Imaging	1	£385					24						24	
MALDI-TOF	1	£385					25						27	
Ion Chromatography	1	£385						23						
Metabolomics	1	£385						26						
Chemometrics	1	£385							19					
GC & GC-MS courses													_	
- Universal														
Absolute Basics GC & GC-MS	1	£385	13		3			2			1			1
Hands-on Complete GC & GC-MS	5	£2,850	16		6			5			4			4
Absolute Basics of Deconvolution	1	£385				20						•		
Complete GC & GC-MS	5	£1,675		6			•					2		
Practical Essentials of GC & GC-MS	3	£1,100		6								2		
Gases & Plumbing & Sample Introduction	1	£385		6								2		
GC Columns, GC Detectors & Mass Spectrometers	1	£385		7								3	Ī	
Data Analysis, Sampling & Sample Prep Techniques	1	£385		8								4	Ī	
The GC & GC-MS Clinic	2	£750		9								5		
Method Development & Advanced Techniques	1	£385		9								5		
Maintenance & Troubleshooting for GC & GC-MS	1	£385		10								6		
Hands-on Sample Preparation	1	£650			14									
Applied Interpretation of GC-MS Mass Spectra	3	£1,375					3					18		
Hands-on GC x GC	2	£1,250					18							
Practical Essentials of Sample Preparation	3.25hrs	£195									12			
Hands-on Advanced Injection for GC & GCMS	2	£1,250											16	
Multi-Mode Inlets & PTVs	1	£650											16	
Large Volume Injection (LVI)	1	£650											17	
- Manufacturer-specific														
Comprehensive GC Training for														
Agilent GC with OpenLAB CDS Hardware/software	4	£1,990				25								
Shimadzu GCsolution software	2	£1,050							6					_
Thermo TRACE GC with Xcalibur Hardware/software	4	£1,990											7	

Courses	Day*	Price [†]	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Comprehensive GC-MS Training for														
Agilent QQQMS with MassHunter	5	£2,425		20										
Advanced Agilent QQQMS with MassHunter	1	£550							17					
Agilent SQMS with MassHunter	5	£2,425						12						
Agilent Q-TOFMS with MassHunter software	2	£1,050						22						
Advanced GC & GC-MS Hardware Training (Agilent)	5	£2,425								10				
Deconvolution Software Training (NIST AMDIS)	2	£1,050									20			
HPLC & LC-MS courses														
- Universal														
Absolute Basics of HPLC & LC-MS	1	£385	20			21			7			16		
Hands-on Complete HPLC & LC-MS	5	£2,850	23			24			10			9		
Absolute Basics of Anion Exchange Chromatography (AEC)	1	£385			24									
Complete HPLC & LC-MS	5	£1,675			27						25			
Practical Essentials of HPLC & LC-MS	3	£1,100			27						25			
The HPLC & LC-MS Clinic	2	£750			30						28			
Hands-on Sample Preparation for LC	4	£2,350			14									
Absolute Basics of Size Exclusion Chromatography	1	£385				17								
Applied UHPLC	1	£485							_				29	
Applied Interpretation of LC-MS Mass Spectra	1	£1,375						12						- 11
Absolute Basics of Ion Chromatography	1	£385						23						
Practical Essentials of Sample Preparation for LC	13	£750									12			
- Manufacturer-specific														
LC Software Training (Shimadzu LCsolution)	2	£1,050									12			
LC-MS Software Training (Agilent MassHunter for SQMS)	3	£1,550										30		
Inductively-Coupled Plasma		C20E		27	Ī						10			
Absolute Basics of ICP-0ES & ICP-MS	1	£385		27							18			
Applied ICP-0ES	1	£485		28				40						
Applied ICP-MS	1	£485						19					40	I
Hands-on Complete ICP-MS	2	£1,250											13	
- Manufacturer-specific ICP & ICP-MS courses														
Comprehensive ICP-MS Software (Agilent MassHunter)	2	£1,050											15	
Spectroscopy														
- Universal														
Absolute Basics of Atomic Absorption Spectroscopy	1	£385	16											
Hands-on UV-Vis	2	£1,150						28						
Hands-on FTIR	1	£650						29						
Statistical Analysis														
- Universal courses														
Absolute Basics of Chemometrics	6.5	£385							19					
Techniques for Determination of Physical & Structu	ral Drono	rties of M	oloculos											
- Absolute Basics courses	Тагтторс	THES OF M												
Module 1: Absolute Basics of Karl Fischer (KF)	2	£120					22						22	
Module 2: Absolute Basics of Thermal Gravimetric Analysis														
(TGA)	1.5	£90					22						22	
Module 3: Absolute Basics of Differential Scanning	3.5	£210					22						22	
Calorimetry														
Madela Additional Designation Bills and the second	2	£120					23						23	
Module 4: Absolute Basics of Laser Diffraction Analysis (LDA)														
Module 5: Absolute Basics of Powder X-ray Diffraction (PXRD)	4.5	£270					23						23	
		£270 £385					23						23	



Courses	Day*	Price [†]	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Sample Preparation Courses		·												
- Hands-on														
Liquid-Liquid Extraction (LLE)	1	£650			14									
Derivatisation	1	£650			15									
Solid-Phase Extraction (SPE)	1	£650												
Solid-Phase Micro-Extraction (SPME)	1	£650			17									
Headspace (HS)	1	£65 0			20									
Purge-and-Trap (P&T)	1	£650			21									
Thermal Desorption (TD)	1	£650			22									
Pyrolysis (Py)	1	£650			23									
- Practical Essentials														
Liquid-Liquid Extraction (LLE)	3.25hrs	£195									12			
Derivatisation	3.25hrs	£195									12			
Solid-Phase Extraction (SPE)	3.25hrs	£195									13			
Solid-Phase Micro-Extraction (SPME)	3.25hrs	£195									13			
Headspace (HS)	3.25hrs	£195									14			
Purge-and-Trap (P&T)	3.25hrs	£195									14			
Thermal Desorption (TD)	3.25hrs	£195									15			
Pyrolysis (Py)	3.25hrs	£195									15			
Methods														
Applied Method Development for GC & GC-MS	4.5hrs	£247.50		9								5		
Applied Method Development for HPLC & LC-MS	5.5hrs	£330	, '		30						28		I	
Applied Method Validation	1	£485					16							
Applied Extractables & Leachables (E&L) Methods	1	£485						21						
Applied Stability Indicating Methods (SIM)	1	£485									22			
Mass Spectrometry														
Absolute Basics of Deconvolution	1	£385				20								
Absolute Basics of MALDI-TOF	1	£385					25						27	
Applied Interpretation of GC-MS Mass Spectra	1	£385					3	3				18		1
Applied Interpretation of LC-MS Mass Spectra	1	£385						12					1	11
Applied ICP-MS	2	£945						19						
Comprehensive Deconvolution Software (NIST AMDIS)	2	£1,050							1		20			

Course approval

The majority of our training courses have been approved by the Royal Society of Chemistry (RSC) for continuing professional development (CPD) under their training course approval scheme.



APPROVED

Hands-on training

Our "hands-on" courses all have 50% of the time spent in the laboratory using the instrumentation. A maximum of 5 delegates ensures the needs of every individual are met through focused support.

Face-to-face training

Our face-to-face classroom-based courses make use of 'props' (instrument parts and consumables) for you to handle. Although there will be no laboratory-based practical exercises within these course, there will be questions, tasks, case studies or demonstrations throughout the courses and we endeavour to include a laboratory tour where possible.

Virtual classroom training

Our live Virtual Classroom courses offer a fully interactive experience, with the presentation, HD video feed of the trainer and Q&A box all in one view. Through tools and drawing controls, attendees can interact with the trainer and ask live questions at any time, either using their microphone or by typing into the chat box.

*Hours reference virtual (online) courses. †All prices quoted are excluding VAT. Note: Where courses cover multiple days, the date shown is the first day of the course. www.anthias.co.uk