

2015 Training Courses

Raman Spectroscopy
Fluorescence
Ellipsometry
SPRi

GDOES
ICP-OES
Particle Size Analysis

C/S & O/N/H
S & Cl in Petroleum
X-Ray Fluorescence

Exceeding Customer Expectations



Training courses calendar 2015

HORIBA Scientific offers many types of training courses tailored to your particular requirements:

- Thematic training to meet other specialists on the same application domain working on different analytical techniques. This year this training will be on **Rare Earth Elements characterization**.
- «A la carte» training course at our approved HORIBA Scientific training center: learn and share your experience with other users and acquire the basics of the technique. You will be able to directly use this knowledge for your applications in your own laboratory.
- Training on-site, performed by one of our HORIBA Scientific application experts.

Certificates are given to every attendee for every course



Our trainers are Experts in each Technique.

They will provide you with advice and guidance to make the most of your HORIBA Scientific instrument.

You will gain confidence and experience in the analysis of your samples.

All trainings are in English

All programs are subject to modifications.



Thematic training

	Ref.	Duration	Jan.	Feb.	March	April	May	June	July	Sept.	Oct.	Nov.	Dec.
Thematic training: REE, from mining to characterization of thin-films materials													
	THEREE	3 days							15 -17				

«à la carte» trainings

	Ref.	Duration	Jan.	Feb.	March	April	May	June	July	Sept.	Oct.	Nov.	Dec.
Raman													
Raman spectroscopy Basic training	RAM1	2 days			17-18							17-18	
Raman spectroscopy option	RAM2	1 day			19							19	
Raman spectroscopy SPM/Raman option	RAM3	1 day			19							19	
Advanced Raman Imaging	RAM4	1 day						10					
Customized Raman Imaging and hands-on	RAM5	2 days						10-11					
LabSpec 6 basic training	RAM6	1 day									20		
LabSpec 6 advanced training	RAM7	1 day									21		
Chermometrics with Solo + MIA	RAM8	1 day						9					
Advanced Raman and SPM training	RAM9	3 days					27-29						
Fluorescence													
Spectrofluorimetry Basic training	FL1	1 day					12					4	
Spectrofluorimetry Intermediate training	FL2	1 day					13					5	
Basic training in spectrofluorimetry - Fluorolog 3	FL3	1 day					19					6	
Basic training in spectrofluorimetry - Fluoromax 4	FL4	1 day					27					17	
Time-Resolved spectrofluorimetry Basic training	FL5	2 days					28-29					18-19	
Time-Resolved spectrofluorimetry Intermediate training	FL6	2 days					2-3					2-3	



For further information, contact:

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	Ref.	Duration	Jan.	Feb.	March	April	May	June	July	Sept.	Oct.	Nov.	Dec.
Fluorescence													
Basic training in Water analysis	FL7	1 day					21					25	
Aqualog or Dual FL: Basic training	FL8	1 day					20					25	
Advanced training: Anysotropy measurements	FL9	1 day						10			21		
Advanced training: Absolute Quantum Yield measurement	FL10	2 days						17-18			28-29		
Surface Plasmon Resonance Imaging													
Surface Plasmon Resonance Imaging – Level 1 – Basics													
Theory about kinetic interactions by SPRi and examples of applications	SPR1	1/2 day					26			18			
How to start a new SPRi experiment?	SPR2	1 day					27			21			
Learn how to use a SPRi system (OpenPlex) to characterize practical samples	SPR3	2 days					28-29			22-23			
Learn how to use a SPRi system (EzPlex) to characterize practical samples	SPR4	2 days						1-2		24-25			
Ligands Immobilization with a contact spotter (SPRi-Arrayer)	SPR5	1 day						3		28			
Ligands Immobilization with a flow printer spotter (SPRi-CFM)	SPR6	1 day						4		29			
Surface Plasmon Resonance Imaging – Level 2 – Advanced													
Kinetic constants and affinity determination of an interaction	SPR7	1 day						5		30			

	Ref.	Duration	Jan.	Feb.	March	April	May	June	July	Sept.	Oct.	Nov.	Dec.
Improve your knowledge in the analysis of complex samples (serum, plasma, small molecules, ...)	SPR8	2 days						8-9			1-2		
Ellipsometry													
Spectroscopic Ellipsometry - Level 1 - Basics													
Ellipsometry: Learn how to use your system for the measurement and analysis of simple samples	EI1	2 days						22-23				30	1
Control of modelling techniques and practical sample analysis	EI2	1 day						24					2
Spectroscopic Ellipsometry - Level 2 - Advanced													
Ellipsometry: Improve your experience in the analysis of complex samples	EI3	2 days				8 - 9							
DeltaPsi2 software and its numerous functions	EI4	1 day				10							
GDOES													
User training courses	GD	4.5 days				13-17					12-16		
ICP-OES													
User training courses	ICP	5 days				20-24			6-10	14-18			
Particle Size Analysis													
User training courses on laser diffraction technique	PSA1	1 day			24					30			
User training courses on dynamic light scattering technique	PSA2	1 day			26						2		
EMIA/EMGA/SLFA/MESA/XGT WR													
EMIA	HOR1	1 day								22			
EMGA	HOR2	1 day								23			
SLFA/MESA	HOR3	1 day								24			
XGT/MESA-50	HOR4	1 day								25			

Services offer

	Ref.	Duration	Jan.	Feb.	March	April	May	June	July	Sept.	Oct.	Nov.	Dec.
On-line training													
All techniques	Formligne	4 hours											Contact us
On-site training													
All techniques	Formsite												Contact us
E-support													
Ellipsometry - e-modelling	We directly support you by e-mail for the modeling of your samples using package results of DeltaPsi2 software. It's fast and easy!												
SPRi - e-support	We directly support you by e-mail to analyze your results												

MIA Multivariate Image Analysis
 GDOES Glow Discharge Optical Emission Spectrometry
 ICP-OES Inductively Coupled Plasma Optical Emission Spectrometry
 EMIA C/S analyser
 EMGA O/N/H analyser
 SLFA/MESA S & Cl analyser in petroleum
 XGT/MESA Fluorescence X elemental analyser



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