

Quality Management	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013
	Host: UAlg	Host: GUT	Host: UB	Host: UAlg	Host: UCA
QM01 - Quality Systems					
QM0101 European Quality Policy and Infrastructures	UAlg	UAlg	Ualg	UAlg	UAlg
QM0102 Introduction to Quality Management	UAlg	UAlg	Ualg	UAlg	UAlg
QM0103 ISO 9000 and ISO 14000 Systems					
QM0104 Laboratory Quality Systems: ISO/IEC 17025	UB	UB	UB	UB	UB
QM0105 HACCP AND ISO 22000	UAlg	GUT	UB	UAlg	UB
QM0106 Good Laboratory Practice		UB	UB	UB	UB
QM0107 Laboratory Quality Systems: ISO 15189	UAlg	UAlg	Ualg	UAlg	UAlg
QM0108 Quality Management Tools		GUT	GUT	GUT	GUT
QM0109 How to convert an Analytical Laboratory into an Accredited Laboratory				EM scholar	
QM02 - Management					
QM0201 Business Management					
QM0202 Human Resources		UB	UB	UB	UB
QM0203 Managing Instalations, Equipment and Consumables	UAlg	UAlg	Ualg	UAlg	UAlg
QM0204 Quality Systems Documentation	UB	UB	UB	UB	UB
QM0205 Financial Accounting					
QM0206 Cost Accounting					
QM0207 Laboratory Information Management Systems (LIMS)			UB		UB
QM0208 Risk Assessment					
QM03 - Traceability					
QM0301 Metrology	UoM	UoM			
QM0302 Calibration and Verification	UB	UB	UB	UB	UB
QM0303 Proficiency Testing Schemes					
QM0304 Preparation and Use of reference Materials					
QM0305 Quality of Analytical Results, Traceability					
QM0306 Proficiency testing Schemes and Certified Reference Materials	UB	UB	UB	UB	UB
QM05 - Methods of Analysis					
QM0501 Method research					
QM0502 Method validation	GUT	GUT	GUT	GUT	GUT
QM0503 Technical Writing	GUT	GUT	UB	UAlg	UB
QM0504 Internal Quality Control		GUT	UB	UB	UB
QM06 - Quality Audits					
QM0601 Laboratory Audits (EN ISO 19011)	UAlg	GUT	GUT	UAlg	UAlg
QM0602 Communication Techniques in Laboratory Audits					
QM07 - Safety					
QM0701 Chemical Safety and REACH regulations		UB	UB	UB	UB
QM0702 Management of Dangerous Materials and REACH regulations					
QM0703 Industrial Hygiene					
QM0704 Laboratory Design					
QM0705 Security in Clinical Labs		Cancelled			
QM0706 Food Safety Management Systems (ISO 22000)					
QM08 - Postgraduate skills[1]					
QM0801 Language course - Intensive "survival" portuguese	UAlg				
QM0802 IT Tools	UAlg	GUT	UB	UAlg	UCA

QM0803 Laboratory Skills (Basic)	UAlg	GUT	UB	UAlg	UCA
QM0804 Fieldwork Skills	UAlg	GUT	UB	UAlg	UCA
QM0805 Research Skills	UAlg	GUT	UB	UAlg	UCA
QM0806 Language course - Portuguese	UAlg				
QM0807 Language Course - English	UAlg				
QM0808 Communication skills	UAlg	GUT	UB	UAlg	UCA
QM0809 Language course - Intensive "survival" Polish		GUT			
QM0810 Chemical Documentation			UB		
QM0811 Language course - Intensive "survival" Spanish			UB		
QM0803 Laboratory Skills (Advanced)				Ualg	
Analytical Methods					
AM01 - Natural Water Analysis					
AM0101 Water Directive and CEN Standards	UAlg	UAlg	Ualg	UAlg	UAlg
AM0102 Water – sampling and General Characterization	GUT	GUT	GUT	GUT	GUT
AM0104 Water —Metal Analysis	UCA	UCA	UCA	UCA	UCA
AM0105 Water —Analysis of Organic Components	GUT	GUT	GUT	GUT	GUT
AM0106 Water —Microbiological Analysis	UAlg	UAlg	UB	UAlg	UCA?
AM02 - Food Analysis					
AM0201 Official Food Control Directive and CEN Standards					
AM0202 Foods - Metal analysis in organic matrices					
AM0203 Foods – Organic Contaminants analysis					
AM0204 Foods - Microbiological analysis	UAlg	UAlg	UB	UAlg	UCA?
AM0205 Foods – Sample treatment	UB	UB	UB	UB	UB
AM0206 Functional Foods Analysis	UCA	UCA	UCA	UCA	UCA
AM0207 Extraction Methods for Solid Foods	UCA	UCA	UCA	UCA	UCA
AM0208 Electronic Noses for Food Control				UAlg	
AM0209 Analytical Methods for the Determination of Mycotoxins in Food		EM Scholar			Scholar
AM03 - Clinical Analysis					
AM0301 in Vitro Directive and CEN Standards	UAlg	UAlg	Ualg	UAlg	UAlg
AM0302 Instrumentation and automation in Clinical Analysis					
AM0304 Clinical Pathology	UAlg	GUT	UB	UAlg	UCA
AM0305 Urine and Body Fluids Analysis	UAlg	GUT	UB	UAlg	UCA
AM0306 Haematological Analysis	UAlg		UB	UAlg	UCA
AM0307 Medical Microbiology	UAlg	GUT	UB	UAlg	UCA
AM0308 Interpreting Laboratory Results					
AM0309 Fundamentals of Biochemical Analysis	UAlg	UAlg	UB	UAlg	UAlg
AM0310 Genetic Testing	UAlg	UAlg	Ualg	UAlg	UAlg
AM0311 Virology				UAlg	UCA
AM0312 Neonatal Screening of Congenital Diseases		EM Scholar			
AM0313 Development of metal compounds for inorganic medicinal chemistry	EM Scholar				
AM04 - Industrial Analysis					
AM0401 Industrial sampling					
AM0402 Process Analytical Chemistry					
AM05 - Environmental Analysis					
AM0501 Trace Metal Water Speciation	UAlg	UAlg	Ualg	UAlg	UAlg
AM0502 Atmospheric Analysis	GUT	GUT		GUT	GUT
AM0503 Soil and Sediment Analysis	UB	UB		UB	UB
AM0504 Monitoring Networks					

AM0505 Analysis and Speciation of Trace Metals in Sediments and Natural Waters					
AM0506 Tracing Sewage in the Environment	UAlg				
AM06 - Solid-Phase Analysis					
AM0601 Techniques of Surface Analysis					
AM0602 X-Ray Techniques					
AM07 - Biochemical Analysis					
AM0701 Immunochemical Analytical Techniques	UAlg	GUT	UB	UB	UB
AM08 - Sampling					
AM0801 Design of Sample Strategies and sampling techniques	UB	UB	UB	UB	UB
AM0802 Sample handling, storage and treatment					
AM0803 Introduction to Artwork Analysis					UB
AM09 - Advanced Techniques of Analysis					
AM0901 Fundamentals of Chemical Analysis					
AM0902 Advanced Volumetric Analysis	UB	cancelled	UB	UB	UB
AM0903 Introduction to Chromatographic Techniques	UAlg	GUT	UB	UAlg	UCA
AM0919 Gas Chromatography	UAlg	GUT	UB	UAlg	UCA
AM0920 Liquid Chromatography	UAlg	GUT	UB	UAlg	UCA
AM0904 Electrophoresis	UAlg	GUT	UB	EM Scholar	EM Scholar
AM0905 Capillary Electrophoresis					
AM0907 Molecular Spectroscopy	UCA	UCA	UCA	UCA	Ualg
AM0908 Vibrational Spectroscopy	UiB	UiB	UiB	UiB	UiB
AM0909 Quantitative IR Spectroscopy	UCA	UCA	UCA	UCA	UCA
AM0910 Atomic Spectroscopy	UAlg	GUT	UB	UAlg	UCA
AM0911 ICP-MS					
AM0912 Mass spectrometry	UB	UB	UB	UAlg	UB
AM0913 Hyphenated Techniques					UB
AM0914 Introduction to Electroanalytical Techniques	UB	UB	UB	UB	UB
AM0915 Potentiometric Techniques	UAlg	GUT	UB	UAlg	UCA
AM0916 Sensors and Biosensors		UCA	UCA	UCA	UCA
AM0917 Radiochemical Techniques					
AM0918 Flow Injection Analysis	UB	UB	UB	UB	UB
AM0921 Voltammetric Techniques	UAlg	cancelled	UB	UAlg	UCA
AM0922 Method Development in HPLC		EM Scholar			
AM0923 Solid Phase Extraction		cancelled	cancelled	UCA	UCA
AM0924 Microextraction Techniques		EM Scholar			
AM0925 Quality Parameters and Optimization in Chromatography			UiB	UiB	UiB
AM0926 Application of Nanomaterials in the Analytical Laboratories			UCA	UCA	UCA
AM0927 The practice of Capillary Electrophoresis: optimization and method			EM Scholar	EM Scholar	
AM0928 Green Analytical Chemistry					UCA
Data Analysis					
DA01 - Basic Statistics					
DA0101 Measuring variability and Error Propagation	UAlg	UAlg	Ualg	UAlg	UAlg
DA0103 Regression Analysis	GUT	GUT	GUT	GUT	GUT
DA0104 Statistical Decision and Analysis of Variance	UB	UB	UB	UB	UB
DA02 - Uncertainty Measurement					
DA0201 Introduction to Uncertainty Measurement	UAlg	UAlg	Ualg	UAlg	UAlg
DA0202 Uncertainty Measurement in Physical Tests and Calibration					

DA0203 Uncertainty Measurement in Chemical and Microbiological Tests	UAlg	UAlg	Ualg	UAlg	UAlg
DA0204 Uncertainty estimation in Clinical Analysis			Ualg	UAlg	UAlg
DA03 - Chemometrics					
DA0301 Experimental Design and Optimization	UCA	UiB	UiB	UiB	UiB
DA0302 Pattern Recognition and Classification	UCA	UCA	UCA	UCA	UCA
DA0303 Signal Processing					
DA0304 Modelling					
DA0305 Experimental Design					
DA0306 Fundamentals of Multivariate data analysis	UiB	UiB	UiB	UiB	UiB
DA0307 Latent Variable Regression Techniques			UiB	UiB	UiB
DA0308 Curve resolution for two-way data sets					
DA0309 Curve resolution for multiset and multi-way analysis					
DA0310 Classification Techniques					
DA0311 Multivariate Calibration		UCA	UB	UB	UCA
DA0312 Process Analysis: Modeling and non-linear parameter fitting		EM Scholar	EM Scholar:		
DA0313 Multivariate Analysis of Metabonomic and Proteomic Spectral Profiles			UiB	UiB	UiB
DA0314 Curve Resolution			UB	UB	UB