

| Lecturer | Week | Schedule | Timetable | Lecturer University | Modules 6th Edition Barcelona (2013 - 2014) |
|---|-------|---------------|-----------------|----------------------------|---|
| | 1-3 | 02/10 - 18/10 | | UB | QM0811 Language course - Intensive "survival" Spanish |
| I. Robinson | 3 | 14/10 - 17/10 | 15:30 - 18:00 h | UB - Ext | QM0503 Technical Writing |
| S.de Mello Pereira | 3 - 4 | | Seminars | EM Scholar | AM0210 Determination of toxic substances migration from the packaging to food |
| E.Giménez/N.Serrano/A.Tarancon | 4 | 21/10 - 24/10 | 9:00 - 13:00 h | UB | QM0803 Laboratory Skills (initial test) |
| E.Giménez/N.Serrano/A.Tarancon | 4 | 21/10 - 24/10 | 15:00 - 17:30 h | UB | QM0802 IT Tools |
| I. Cavaco | 5 | 28/10 - 31/10 | 10:00 - 12:30 h | UAlg | QM0102 Introduction to Quality Management |
| I. Cavaco | 5 | 28/10 - 31/10 | 15:00 - 17:30 h | UAlg | DA0101 Measuring variability and Error Propagation |
| O. Fernandes | 6 | 04/11 - 06/11 | 9:30 - 13:00 h | UAlg - Ext | QM0101 European Quality Policy and Infrastructures |
| P.Gosálbez/G.Cugat/M.Saltor | 6 | 04/11 - 07/11 | 15:00 - 17:30 h | UB - Ext | QM0105 HACCP and ISO 22000 |
| R. Companyó | 7 | 11/11 - 14/11 | 9:30 - 12:00h | UB | QM0104 Laboratory Quality Systems: ISO/IEC 17025 |
| R. Berger | 7 | 11/11 - 14/12 | 15:00 - 17:30 h | UB | QM0202 Human Resources |
| M. Rosés | 8 | 18/11 - 21/11 | 9:30 - 12:00h | UB | DA0104 Statistical Decision and Analysis of Variance |
| J.M. Palacios | 8 | 18/11 - 21/11 | 15:00 - 17:30 h | UCA | DA0302 Pattern Recognition and Classification |
| W. Chrzanowski | 9 | 25/11 - 28/11 | 9:30 - 12:00h | GUT | DA0103 Regression Analysis |
| M. Granados | 9 | 25/11 - 28/11 | 15:00 - 17:30 h | UB | AM0205 Foods – Sample treatment |
| A. Gomes | 10 | 02/12 - 05/12 | 9:30 - 12:00h | UAlg - Ext | QM0107 Laboratory Quality Systems: ISO 15189 |
| A. Gomes | 10 | 02/12 - 05/12 | 15:00 - 17:30 h | UAlg - Ext | AM0301 in Vitro Directive and CEN Standards |
| A. Sahuquillo / F. Lopez | 11 | 09/12 - 12/12 | 9:30 - 12:00h | UB | AM0910 Atomic Spectroscopy |
| B. Grung | 11 | 09/12 - 12/12 | 15:00 - 17:30 h | UiB | DA0301 Experimental Design and Optimization |
| X. Santos | 12 | 16/12 - 19/12 | 9:30 - 12:00h | UB | AM0919 Gas Chromatography |
| P. Konieczka | 12 | 16/12 - 19/12 | 15:00 - 17:30 h | GUT | QM0502 Method validation |
| E.Fuguet / O.Nuñez | 15 | 08/01 - 10/01 | 9:30 - 13:00 h | UB | QM0302 Calibration and Verification |
| A. de Juan | 16 | 13/01 - 16/01 | 9:30 - 12:00 h | UB | AM0801 Design of Sample Strategies and sampling techniques |
| E. Nodland | 16 | 13/01 - 16/01 | 13:00 - 15:30 h | UiB | AM0908 Vibrational Spectroscopy |
| E. Moyano | 16 | 13/01 - 16/01 | 15:30 - 18:00 h | UB | AM0920 Liquid Chromatography |
| A. Sahuquillo | 17 | 20/01 - 23/01 | 9:00 - 11:30h | UB | QM0306 Proficiency Testing Schemes and Certified Reference Materials |
| B. Zygmunt / W. Wardencki | 17 | 20/01 - 23/01 | 13:00 - 15:30 h | GUT | AM0102 Water – sampling and General Characterization |
| R. Vilanova | 18 | 27/01 - 30/01 | 9:30 - 12:00h | UB | QM0204 Quality Systems Documentation |
| A.Newton | 18 | 27/01 - 30/01 | 15:00 - 17:30 h | UAlg | AM0101 Water Directive and CEN Standards |
| B. Grung | 19 | 03/02 - 06/02 | 9:30 - 12:00h | UiB | DA0306 Fundamentals of Multivariate data analysis |
| B. Grung | 19 | 03/02 - 06/02 | 15:00 - 17:30 h | UiB | DA0307 Latent Variable Regression Techniques |
| J.P. Pinheiro | 19 | 03/02 - 06/02 | 18:00 - 20:30 h | UAlg | AM0501 Trace Metal Water Speciation |
| C. Navarro | 20 | 10/02 - 13/02 | 9:30 - 12:00h | UB | QM0106 Good Laboratory Practice |
| M.D.Galindo | 20 | 10/02 - 13/02 | 15:00 - 17:30 h | UCA | AM0104 Water —Metal Analysis |
| E. Durán | 21 | 17/02 - 20/02 | 9:30 - 12:00h | UCA | AM0923 Extraction methods in analytical chemistry |
| S.Bofill / S.Guix / C.Garcia | 21 | 17/02 - 20/02 | 15:00 - 17:30 h | UB | AM0106 Water —Microbiological Analysis (Theory) ⁽¹⁾ |
| S.Bofill / S.Guix / C.Garcia | 21 | 17/02 - 20/02 | 15:00 - 17:30 h | UB | AM0204 Foods - Microbiological analysis (Theory) ⁽¹⁾ |
| M. Palma | 22 | 24/02 - 27/02 | 9:30 - 12:00h | UCA | AM0909 Quantitative IR Spectroscopy |
| S.Guix / C.Garcia | 22 | 24/02 - 27/02 | 15:00 - 17:30 h | UB | AM0106 Water —Microbiological Analysis (Laboratory practices) |
| S.Guix / C.Garcia | 22 | 24/02 - 27/02 | 15:00 - 17:30 h | UB | AM0204 Foods - Microbiological analysis (Laboratory practices) |
| F.Geijó | 23 | 03/03 - 06/03 | 9:30 - 12:00 h | UB-Ext | QM0208 Risk assessment in analytical laboratories |
| R. Bettencourt | 23 | 05/03 - 07/03 | 14:30 - 18:00 h | ULisboa | DA0201 Introduction to Uncertainty Measurement |
| R. Bettencourt | 24 | 10/03 - 11/03 | 9:30 - 17:00 h | ULisboa | DA0203 Uncertainty Measurement in Chemical Tests |
| X. Saurina | 24 | 11/03 - 14/03 | 15:00 - 17:30 h | UB | AM0918 Automated methods of analysis |
| E.Moyano | 25 | 17/03 - 20/03 | 9:30 - 12:00 h | UB | AM0912 Mass spectrometry |
| J.M.Palacios | 25 | 17/03 - 20/03 | 15:00 - 17:30 h | UCA | AM0926 Application of Nanomaterials in the Analytical Laboratory (20/03 up to 20:30h) |
| E.Moyano | 26 | 24/03 - 27/03 | 9:30 - 12:00 h | UB | AM0913 Hyphenated techniques |
| A. Gomes | 26 | 24/03 - 27/03 | 15:00 - 17:30 h | UAlg - Ext | DA0204 Uncertainty Estimation in Clinical Analysis |
| B. Zygmunt | 27 | 31/03 - 03/04 | 9:30 - 12:00 h | GUT | AM0105 Water —Analysis of Organic Components |
| J.González / J.Vila | 27 | 31/03 - 03/04 | 16:00 - 18:30 h | UB-HCB(CDB) | AM0307 Medical microbiology |
| E.Espada | 28 | 07/04 - 10/04 | 9:30 - 12:00 h | UCA | AM0928 Green Analytical Chemistry |
| S.Imperial / E.Estébanez | 28 | 07/04 - 10/04 | 15:00 - 17:30 h | UB | AM0309 Fundamentals of Biochemical Analysis |
| O.Kvalheim | 28 | 07/04 - 10/04 | 18:00 - 20:30 h | UiB | DA0313 Multivariate Analysis of Metabonomic and Proteomic Spectral Profiles |
| P. Marco | 30 | 22/04 - 25/04 | 9:30 - 12:00 h | UB-Ext | AM0701 Immunochemical Analytical Techniques |
| A. Gomes | 30 | 22/04 - 25/04 | 15:00 - 17:30 h | UAlg - Ext | QM0601 Laboratory Audits (EN ISO 19011) |
| M. Palma | 31 | 28/04 - 30/04 | 9:30 - 13:00 h | UCA | AM0206 Functional Foods Analysis |
| R. Ventura / J.A.Pascual | 32 | 05/05 - 08/05 | 9:30 - 12:00 h | UB - Ext | QM0207 Laboratory Information Management Systems (LIMS) |
| S. Mjos | 32 | 05/05 - 08/05 | 15:00 - 17:30 h | UiB | AM0925 Quality Parameters and Optimization in Chromatography |
| W. Wardencki | 33 | 12/05 - 15/05 | 9:00 - 11:30 h | GUT | AM0502 Atmospheric Analysis |
| M. Vidal | 33 | 12/05 - 15/05 | 11:30 - 14:00 h | UB | AM0503 Analysis of pollutant interaction in soil and sediments |
| X. Guardino | 33 | 12/05 - 15/05 | 15:30 - 18:00 h | UB-Ext | QM0701 Chemical Safety and REACH regulations |
| C.Ariño / J.M.Díaz | 34 | 19/05 - 22/05 | 9:30 - 12:00 h | UB | AM0914 Electroanalytical techniques |
| A. de Juan | 34 | 19/05 - 22/05 | 15:00 - 17:30 h | UB | DA0314 Curve Resolution |
| E.Fuguet / O.Nuñez | 35 | 26/05 - 29/05 | 9:30 - 12:00 h | UB | QM0805 Research Skills |
| E.Giménez/N.Serrano/A.Tarancon | 35 | 26/05 - 29/05 | 15:00 - 17:30 h | UB | AM0907 Molecular Spectroscopy |
| R. Companyó | 36 | 02/06 - 05/06 | 9:30 - 12:00 h | UB | QM0504 Internal Quality Control |
| V. Kokovkin | 36 | 02/06 - 05/06 | 15:00 - 17:30 h | NSU | AM0507 Environmental samples monitoring |
| E.Giménez/N.Serrano/A.Tarancon | 37 | 09/06 - 12/06 | 9:00 - 13:00 h | UB | QM0803 Laboratory Skills |
| M.F.M. Tavares | 37 | 09/06 - 12/06 | 15:00 - 17:30 h | USP | AM0927 The practice of Capillary Electrophoresis: optimization and method development |
| M.Esteban/A. Sahuquillo L.Alvarez/W.Jiménez/F.Centrich | 38 | 16/06 - 19/06 | 9:30 - 12:00 h | UB / UB-HCB(CDB) / ASPB | QM0804 Fieldwork Skills: practical implementation of quality management systems |
| Y.Liang | 38 | 16/06 - 19/06 | 15:00 - 17:30 h | CSU | AM0314 Chemical fingerprinting and quality control of herbal medicines |
| I. Cavaco | 39 | 25/06 - 27/06 | 9:30 - 13:00 h | UAlg | QM0203 Managing Instalations, equipment and consumables |

Mandatory module

Mandatory one of the three modules

(1) Modules AM0106 and AM0204 are programmed as a single module divided in two parts: the theoretical part will be taken by all students in the first schedule week, and in the second week the laboratory practices will be focused on water or food microbiological analysis for each student.