

**INTEGRATED CHEMISTRY LABORATORY
2016-2017**

Bachelor Degree:	Chemistry	702G
Course title:	Integrated Chemistry Laboratory	533
Year/Semester:	4/1	ECTS Credits: 6

DEPARTMENT

Address:	c/ Madre de Dios, 51				
City:	Logroño	Province:	La Rioja	Postal code:	26004
Phone number:	941299644	Email address:			

ENGLISH-FRIENDLY FACULTY

Name:	Monge Oroz, Miguel				
Phone number:	941299644	Email address:	miguel.monge@unirioja.es		
Office:	D-1208	Building:	CCT		

Name:	Busto Sancirán, Jesús Héctor				
Phone number:	941299668	Email address:	hector.busto@unirioja.es		
Office:	D-1104	Building:	CCT		

Name:	Enríquez Palma, Pedro Alberto				
Phone number:	941299638	Email address:	pedro.enriquez@unirioja.es		
Office:	D-1202	Building:	CCT		

Name:	Fernández Garbayo, Eduardo				
Phone number:	941299642	Email address:	eduardo.fernandez@unirioja.es		
Office:	D-1206	Building:	CCT		

Name:	Rodríguez Barranco, Miguel Ángel				
Phone number:	941299651	Email address:	miguelangel.rodriquez@unirioja.es		
Office:	D-1215	Building:	CCT		

Name:	Sáenz Barrio, Cecilia				
Phone number:	941299633	Email address:	cecilia.saenz@unirioja.es		
Office:	D-1117	Building:	CCT		

Name:	Sampedro Ruiz, Diego				
Phone number:	941299647	Email address:	diego.sampedro@unirioja.es		
Office:	D-1211	Building:	CCT		

CONTENTS

- Advanced laboratory practice of Analytical Chemistry
- Advanced laboratory practice of Inorganic Chemistry
- Advanced laboratory practice of Organic Chemistry
- Advanced laboratory practice of Physical Chemistry

REFERENCES

Title
Inorganic Experiments (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=281851)
Structural Methods in Inorganic Chemistry (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=32772)
Infrared and Raman spectra of inorganic and coordination compounds . Part B : applications in coordination, organometallic, and bioinorganic chemistry (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=301963)
NMR spectroscopy: basic principles, concepts and applications in chemistry (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=51318)
Official Methods of Analysis of AOAC International (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=74141)
A practical guide to Instrumental Analysis (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=80423)
Principles of Instrumental Analysis (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=384302)
Experimental organic chemistry : principles and practice (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=97644)
Techniques and experiments for advanced organic laboratory (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=102800)
Symmetry and Spectroscopy : an introduction to vibrational and electronic spectroscopy (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=28682)
Electrochemical methods : fundamentals and applications (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=239754)
Understanding voltammetry (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=337651)
Experimental physical chemistry : a laboratory textbook (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=278747)
Experiments in physical chemistry (http://catalogo.unirioja.es/cgi-bin/abnetopac?TITN=351056)

EVALUATION SYSTEM

Written Exams (30%, recoverable)
Written Reports (30%, unrecoverable)
Observation Techniques (10%, unrecoverable)
Oral presentations (30%, unrecoverable)