

## Dublin Chemistry Module Listing 2017-18 (Draft version of 14 September 2017)

Modules Normally Running in Semester 1					
Code	Title	Coordinator	ECTS	Comment	2016/17
CHEM40160	Chemistry & Chemical Biology Seminar Programme I	G. Morgan, UCD D. Mac Dónaill, TCD	2.5	Compulsory in 1st yr	Offered Annually - All year module
CHEM40240	Spectroscopic Techniques	S. Quinn, UCD S. Draper, Y. Gun'ko TCD	2.5	Optional (Location TCD)	Offered Annually
CHEM40280	Chemistry & Chemical Biology Seminar Programme II	G. Morgan, UCD D. Mac Dónaill, TCD	2.5	Optional in 2nd yr	Offered Annually - All year module
CHEM40340	Teaching in Higher Education as a Graduate Assistant	D. Gilheany, UCD D. Mac Dónaill, TCD	5	Compulsory in 1st yr for UCD students; not available in Semester 1 for first year TCD students	Offered Annually
CHEM40390	Topics in Inorganic Chemistry	t.b.a. R. Baker, TCD. A. Phillips, UCD	5	Optional (Location TCD/UCD)	Offered Bi-annually <b>Offered in 2017-18</b>
CHEM40400	Carbohydrate Chemistry	E. Scanlan, TCD S. Oscarson, UCD	2.5	Optional	Offered Bi-annually <b>Not offered in 2017-18</b>
CHEM40450	Surface Science and Technology	C. McGuinness, TCD	5	Optional (Location TCD)	Offered annually
CHEM40520	Chemistry & Chemical Biology Seminar Programme III	G. Morgan, UCD D. Mac Dónaill, TCD	2.5	Optional in 3rd yr	Offered Annually - All year module
CHEM40860	* Chemistry Outreach: Development and Practice	T. Keane, UCD S. Draper, N. Scully, J. O'Donoghue, C. Poree, TCD	5	Optional - 12 places (Location external)	Offered Annually
CHEM40910	Quantum Molecular Modelling	G. Watson, TCD	5	Optional (Location TCD)	Offered Bi-annually. <b>Not offered in 2017-18</b>
CHEM40920	Translational Research in AIDS	i. Rozas, TCD	2.5	Optional (Location TCD)	<b>Not offered in 2017-18</b>
<p>‡For this module, interested students must submit a short paragraph explaining why they are interested in this course to their local coordinator (Prof. Sylvia Draper TCD and Dr. Andrew Phillips UCD). Based on this, students will be selected and accepted onto the course. Only then will students be registered to the course, but not before. Informal queries are welcome and should be directed to the local co-ordinator.</p>					
Courses normally running in Semester 2					
Code	Title	Coordinator	ECTS	Comment	2016/17
CHEM40210	Comprehensive X-ray Crystallography	H. M. Bunz, UCD S. Draper, B. Twamley TCD	2.5	Optional – 18 places (Location UCD)	Offered Annually
CHEM40250	Structure and Biophysical Studies of Nucleic Acids	S. Quinn, UCD C. Cardin, University of Reading J. Kelly, I. Rozas, TCD	2.5	Optional	Offered Bi-annually. <b>Not offered in 2017-18</b>
CHEM40270	Synthesis and Chemical Modification of Nanomaterials	S. Quinn, UCD Y. Gun'ko, TCD	2.5	Optional	Offered Bi-annually. <b>Offered in 2017-18</b>

Code	Title	Coordinator	ECTS	Comment	2016/17
CHEM40310	Catalytic Asymmetric Synthesis	<b>P. Guiry, D. Gilheany, UCD. S. Connon, TCD</b>	<b>5</b>	Optional (Location TCD/UCD)	Offered Bi-annually. <b>Offered in 2017-18</b>
CHEM40350	Chem Lab to Commercialisation	<b>D. Gilheany, UCD B. Kelly, Celtic Catalysts</b>	<b>2.5</b>	Optional (Location UCD)	Offered Annually
CHEM40360	Advanced Organic Synthesis	<b>M. Casey, UCD P. Evans, UCD</b>	<b>5</b>	Optional (Location UCD)	Offered Annually
CHEM40370	Advanced NMR & Mass Spectrometry	<b>Y Ortin, P. Guiry, A. Phillips, UCD J. O'Brien, TCD</b>	<b>5</b>	Optional (Location TCD/UCD)	Offered Annually (to be scheduled as one 3-hour session per week for 6 six weeks, starting in week 2 of Semester 2 of TCD calendar)
CHEM40580	Dublin Chemistry Surface Physics	<b>J. Boland, TCD</b>	<b>5</b>	Optional (Location TCD)	<b>Not offered in 2017-18</b>
CHEM40720	Scientific Writing and Publishing	<b>M. Senge, TCD</b>	<b>2.5 or 5</b>	Optional (Location TCD)	<b>Offered in 2017-18 (credits to be confirmed)**</b>
CHEM40850	Introduction to Transmission Electron Microscopy	<b>V. Nicolosi, A. Shmeliov, TCD</b>	<b>5</b>	Optional (Location TCD)	Offered Annually
CHEM40930*	Process Development and Scale Up*	<b>D. Smith, NUIG D. Gilheany, UCD</b>	<b>5</b>	Optional (Location NUIG)	Offered Annually
CHEM50030	Chemistry Third Year PhD Presentation	<b>D. Gilheany, UCD</b>	<b>2.5</b>	Compulsory in 3rd yr (Location TCD)	Offered Annually

\* A charge (€100 in 2016/17) is levied for this module

\*\*If the material covered in this module is extended, this will be offered as a 5-credit module in 2017/18; otherwise it will be offered as before (2.5-credit module)