

**Courses Running Before Christmas – Semester I (Michaelmas Term)**

Code	Title	Coordinator	Crdts	Comment	2012-2013
CHEM40400	Carbohydrate Chemistry	E. Scanlan, TCD S. Oscarson, UCD	2.5	Optional	Offered Bi-annually. <b>Offered in 2012-13.</b>
CHEM40160	Chem and Chem Bio Seminar module I	G. Morgan, UCD I. Rozas, TCD	2.5	Compulsory in 1 <sup>st</sup> yr	Offered Annually All year module
CHEM40280	Chem & Chem Bio Sem Prog II	G. Morgan, UCD I. Rozas, TCD	2.5	Optional in 2 <sup>nd</sup> yr	Offered Annually All year module
CHEM40520	Chem & Chem Bio Sem Prog III	G. Morgan, UCD I. Rozas, TCD	2.5	Optional in 3 <sup>rd</sup> yr	Offered Annually All year module
CHEM40910	Quantum Molecular Modelling	G. Watson, TCD	5	Optional (Location TCD)	Offered Bi-annually. <b>Offered in 2012-13.</b>
CHEM40240	Spectroscopic Techniques	S. Quinn, UCD S. Draper, Y. Gun'ko TCD	2.5	Optional (Location TCD)	Offered Annually
CHEM40340	Graduate assistant	A. Rous, UCD I. Rozas, TCD	5	Compulsory in 1 <sup>st</sup> yr – UCD students only	Offered Annually
CHEM40860	≠ Chemistry Outreach: Development and Practice	A. Phillips, UCD P. Colavita, TCD	5	Optional- 12 places (Location external)	Offered Annually
CHEM40390	Topics in Inorganic Chemistry	<del>I. B. R. Baker, TCD.</del> A. Phillips, UCD	5	Optional (Location TCD/UCD)	Offered Bi-annually. <b>Not offered in 2012-12</b>
CHEM40450	Surface Science	<del>I. McGovern, TCD</del>	5	Optional (Location TCD)	Offered Bi-annually. <b>Not offered in 2012-13.</b>
CHEM40720	Scientific Writing and Publishing	M. Senge, TCD	2.5	Optional (Location TCD)	Offered Annually

**≠Note: in the case of the Outreach module, students interested in this course will be required to submit a short paragraph explaining why they are interested in this course to their local coordinator (Dr. Paula Colavita TCD and Dr. Andrew Phillips UCD). Based on these submissions students will be selected and accepted onto the course. At that stage students will then be registered to the course, but not before. Any informal queries about the course are welcome and should be directed to the same lecturers.**

**Courses Running After Christmas – Semester 2 (Hilary Term)**

Code	Title	Coordinator	Crdts	Comment	2012-2013
CHEM40250	Structure and Biophysical properties of Nucleic Acids	S. Quinn, UCD C. Cardin, U of Reading J. Kelly, I. Rozas, TCD	2.5	Optional	Offered Bi-annually. <b>Offered in 2012-13.</b>
CHEM40210	Comprehensive X-ray Crystallography	H. M. Bunz, UCD S. Draper, W. Schmitt, TCD	2.5	Optional – 18 places (Location UCD)	Offered Annually
CHEM40270	Synthesis and Chemical Modification of Nanomaterials	<del>S. Quinn, UCD</del> <del>Y. Gun'ko, TCD</del>	2.5	Optional	Offered Bi-annually. <b>Not offered in 2012-13</b>
CHEM40310	Catalytic Asymmetric Synthesis	<del>P. Guiry, D. Gilheany,</del> <del>UCD. S. Connon, TCD</del>	5	Optional (Location TCD/UCD)	Offered Bi-annually. <b>Not offered in 2012-13</b>
CHEM40360	Advanced Organic Chemistry	M. Casey, UCD P. Evans, UCD	5	Optional (Location UCD)	Offered Bi-annually. <b>Offered in 2012-13</b>
CHEM40350	Chem Lab to Commercial Application	D. Gilheany, UCD B. Kelly, Celtic Catalysts	2.5	Optional (Location UCD)	<b>To be confirmed</b>
CHEM40370	Advanced: NMR & Mass Spectrometry	Y Ortin, P. Guiry, A. Phillips, UCD J. O'Brien, TCD	5	Optional (Location TCD/UCD)	Offered Annually
CHEM40430	The Pharmaceutical Industry – an Overview	<del>G. Dalton</del>	2.5	Optional	<b>Not offered in 2012</b>
CHEM40580	Dublin Chemistry Surface Physics	J. Boland, TCD	5	Optional (Location TCD)	Offered Annually
CHEM40850	Introduction to Transmission Electron	V. Nicolosi, TCD	5	Optional (Location TCD)	Offered Annually

	Microscopy				
CHEM40920	Translational Research in Aids	<b>I. Rozas, TCD</b>	<b>2.5</b>	Optional (Location TCD)	Offered Annually
<b>Courses running in Summer Term – Semester 3 (Trinity term)</b>					
<b>Code</b>	<b>Title</b>	<b>Coordinator</b>	<b>Crdts</b>	<b>Comment</b>	<b>2012-2013</b>
CHEM50030	Chem 3 <sup>rd</sup> Yr PhD presentation	<b>D. Gilheany, UCD</b>	<b>2.5</b>	Compulsory in 3 <sup>rd</sup> yr (Location UCD)	Offered Annually