

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

Code	Title	Coordinator	Crdts	Comment	2013-2014
CHEM40400	Carbohydrate Chemistry	E. Scanlan, TCD S. Oscarson, UCD	2.5	Optional	Offered Bi-annually. <b>Not offered in 2013-14.</b>
CHEM40160	Chem and Chem Bio Seminar module I	G. Morgan, UCD G. Watson, 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 G. Watson, 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 G. Watson, 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>Not offered in 2013-14.</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	t.b.a. R. Baker, TCD. A. Phillips, UCD	5	Optional (Location TCD/UCD)	Offered Bi-annually. <b>To be offered in 2013-14</b>
CHEM40450	Surface Science & Technology	I. McGovern, TCD	5	Optional (Location TCD)	Offered Bi-annually. <b>To be confirmed for 2013-14</b>

≠For this module, interested students must 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 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.

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

Code	Title	Coordinator	Crdts	Comment	2013-2014
CHEM40250	Structure and Biophysical properties of Nucleic Acids	S. Quinn, UCD C. Cardin, Uni of Reading J. Kelly, I. Rozas, TCD	2.5	Optional	Offered Bi-annually. <b>Not offered in 2013-14.</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 Modification of Nanomaterials	S. Quinn, UCD Y. Gun'ko, TCD	2.5	Optional	Offered Bi-annually. <b>To be offered in 2013-14</b>
CHEM40310	Catalytic Asymmetric Synthesis	P. Guiry, D. Gilheany, UCD. S. Connon, TCD	5	Optional (Location TCD/UCD)	Offered Bi-annually. <b>To be offered in 2013-14</b>
CHEM40360	Advanced Organic Chemistry	M. Casey, UCD P. Evans, UCD	5	Optional (Location UCD)	Offered Annually
CHEM40350	Chem Lab to Commercial Application	D. Gilheany, UCD B. Kelly, Celtic Catalysts	2.5	Optional (Location UCD)	Offered Annually
CHEM40370	Advanced: NMR & Mass Spectrometry	Y. Ortin, P. Guiry, A. Phillips, UCD J. O'Brien, TCD	5	Optional (Location TCD/UCD)	Offered Annually
CHEM40580	Dublin Chemistry Surface Physics	J. Boland, TCD	5	Optional (Location TCD)	Offered Annually
CHEM40720	Scientific Writing and Publishing	M. Senge, TCD	2.5	Optional (Location TCD)	Offered Annually
CHEM40850	Introduction to TEM	V. Nicolosi, TCD	5	Optional (Location TCD)	Offered Annually
CHEM40920	Translational Research in Aids	I. Rozas, TCD	2.5	Optional (Location TCD)	Offered Annually
CHEM50030	Chem 3 <sup>rd</sup> Yr PhD presentation	D. Gilheany, UCD	2.5	Compulsory in 3 <sup>rd</sup> yr (Location UCD)	Offered Annually