

# Chemistry Modules Offered in 2023-2024

Updated: 22-Aug-2023

Please contact instructor for module location and times

List of Graduate Courses is in School of Graduate Studies Academic Calendar			
FALL		WINTER	
Fall 1 Sep 5 - Oct 20	Fall 2 Oct 23 - Dec 5	Winter 1 Jan 8 - Feb 16 (Reading Week Feb)	Winter 2 Feb 26 - Apr 8
CHEM 801* Safety in the Laboratory Philip Jessop We 6:00 - 9:00 PM	CHEM 810 Materials Characterisation Methods Kevin McEleney	CHEM 805 NMR Methods for Structural Identification TBA	CHEM 806 Multidimensional NMR Techniques TBA PREREQUISITE: CHEM805
CHEM 803* Principles of Scientific Communication (Note: 2 module credit) Amanda Bongers Fr 1:30 - 3:00 PM		<b>**NEW COURSE**</b> CHEM 811 Chemistry Education Research Amanda Bongers	<b>**NEW COURSE**</b> CHEM XXX TBA (Theoretical Course) Farnaz Heidar-Zadeh
CHEM 854 Polymer Characterization in Solution Simon Hesp	CHEM 869** (423) Topics in Inorganic/Organometallic Chemistry Lucia Lee	CHEM 819 Current Topics in Physical and Theoretical Chemistry Paul Duchesne	CHEM 850 Polymer Physical Chemistry Guojun Liu
CHEM 883 Bioorganic Chemistry Graeme Howe	CHEM 879 Chemical Separations Richard Oleschuk	CHEM 915 Biosynthesis of Natural Products Avena Ross	CHEM 863** (414) Transition Metal Catalysis for Organic Synthesis P. Andrew Evans
CHEM 918 Scanning Probe Methods Zhe She	CHEM 942 Density Matrix Theory and Spectroscopy Gang Wu	CHEM 919 Solid State Chemistry Peng Wang	CHEM 880**(422) Modern Synthetic Methods Amanda Bongers
		CHEM 936 Advanced Quantum Mechanics Tucker Carrington	
		CHEM 975 Inductively-Coupled Plasma Mass Spectrometry (ICP-MS) Diane Beauchemin	
CHEM 905 CO2: A Scientific & Social Perspective (Note: 2 module credit) Philip Jessop (Coordinator) Enrolment Deadline: September 18th		CHEM 894*** Business Skills in the Chemical Industry TBA (Instructor) Hugh Horton (Coordinator)	
CHEM 904*** Science Leadership and Management (Note: 2 module credit) Edward Thomas (Instructor); Nick Mosey (Coordinator) Enrolment Deadline: September 19th		PHYS 860*** Applied Science Topics in Micro/Nano-technology (Note: 2 module credit) Graham Gibson Limited space available, requires permission of instructor	
<p style="text-align: center;"><b>CHEM 802*</b> Chemistry Seminar Program Graeme Howe (Coordinator) <a href="http://www.chem.queensu.ca/departamental-seminar-series">http://www.chem.queensu.ca/departamental-seminar-series</a></p>			
<p><b>Seminar Series</b> To achieve a PASS mark in the Seminar Series, students must maintain an attendance record of 75% at regular departmental seminars, including named and distinguished lecture series. Seminar attendance is monitored using sign-in attendance sheets. Students with legitimate excuses and/or teaching conflicts will not be penalized for missing seminars. Furthermore, students will be credited for seminars attended in other departments which may be relevant to their research (typically in physics, biochemistry, environmental studies, etc.). To obtain a seminar credit, a student must provide a note signed by the seminar coordinator of the other department. Students who do not attend the required 75% of the departmental seminars will obtain an "incomplete grade". In the subsequent terms, the students who have attended less than 75% of the seminars will have to attend more seminars in the following terms so that a minimum attendance is accomplished for any past terms where an incomplete grade was assigned in addition to 75% attendance for the current term.</p>			
<p>All modules run on a 6 week schedule unless otherwise noted *Automatically enrolled courses - do not add to academic change form ** Student allowed to take only two of these 800 level courses throughout their graduate program. These modules will be offered concurrent with fourth year courses *** See <a href="http://www.chem.queensu.ca/graduate/current-students/degree-program-requirements-timeline">http://www.chem.queensu.ca/graduate/current-students/degree-program-requirements-timeline</a> regarding taking courses outside of the Department of Chemistry</p>			