



## 2016 - 17 Graduate Course Offerings

Dated: 25 November 2016 (Version 9)

### Fall 2016

**Inorganic**

CHEM 710/7100	Advanced Main Group Chemistry	Denk	GUELPH
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**Analytical**

CHEM 720/7200	Introduction to Experimental Design and Chemometrics	Gorecki	WATERLOO
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**Biochemistry**

CHEM 731/7310-1	Biomolecular NMR Spectroscopy	Dieckmann	WATERLOO
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CHEM 731/7310-2/TOX 6590*	Biochemical Toxicology	Manderville	GUELPH
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**Theoretical**

CHEM 740*/7400-1	Quantum Mechanics in Chemistry	Nooijen	WATERLOO
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CHEM 740(QIC 890)/7400-2	Qubits with Semiconductors and Spins	Baugh	WATERLOO
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**Organic**

CHEM 760/7600	Organometallic Reagents in Organic Synthesis	Tam	GUELPH
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**Polymer**

CHEM 770*/7700	Principles of Polymer Science	Gauthier	WATERLOO
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CHEM 771(CHE 641)/7710	Physical properties of polymers	Duhamel	WATERLOO
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### Winter 2017

**Inorganic**

CHEM 712*/7120	X-Ray Crystallography	Assoud	WATERLOO
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**Analytical**

CHEM 720/7200	Techniques and Methods for the Investigation of Electron Transfer Reactions	Houmam	GUELPH
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CHEM 720/7200	Mass Spectrometry	Gabryelski	GUELPH
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**Biochemistry**

CHEM 731/7310-1	Biochemical Pharmacology	Palmer	WATERLOO
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CHEM 731/7310-2/TOX 6200*	Advanced Topics in Toxicology	Manderville	GUELPH
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**Physical**

CHEM 750/7500-1	Surface science & nanotechnology	Leung	WATERLOO
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CHEM 750/7500-2	Atomic and molecular clusters	Hopkins	WATERLOO
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CHEM 7500-3/NANO 701A & 702A	Nanoscale Surfaces/Interfaces & Spectro-microscopy	Radovanovic	WATERLOO
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**Organic**

CHEM 766/7660	Organic Spectroscopy	Dmitrienko	WATERLOO
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**Polymer**

CHEM 773*/7730-1	Polymer properties and Polymerization	Duhamel	WATERLOO
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### Spring 2017

**Analytical**

CHEM 720/7200	Advanced Bioanalytical Chemistry	Mikkelsen	WATERLOO
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**Biochemistry**

CHEM 737/7370	Enzymes	Honek	WATERLOO
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**Physical**

CHEM 750/7500-1	Nanotechniques	Leung	WATERLOO
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**Waterloo students register under first number listed which has 3 digits; Guelph students register under second number listed which has 4 digits.**

*\*held with undergrad course*