

Required Textbook

SC/CHEM 2030 3.0M Customized Textbook from Shriver (available in the York Bookstore)

Note: Free access to an eText of the **11th edition** of Petrucci, et. al. is available through MasteringChemistry (see instructions on Moodle) . This is to be used for chapters 21 through 24 referred to below.

Several items are also on reserve at the Steacie Science and Engineering Library that are useful for various topics in this course. The following textbooks are probably the most beneficial:

- 1) "General Chemistry", tenth edition
R.H. Petrucci, F.G. Herring, J.D. Madura and C. Bissonnette
Publisher: Pearson Canada, 2011.
- 2) "Inorganic Chemistry", second edition.
Catherine E. Housecroft and Alan G. Sharpe.
Publisher: Prentice Hall, 2005.

Moodle Site

The Moodle site for this course is an essential reference for notes, problem sets and solutions, announcements and administration of the course; ***the site should be checked regularly.***

Course Content

- | | |
|---|--------------------------------|
| 1. Ionic Equilibria in Aqueous Solutions | - Petrucci*: chapters 15 - 18 |
| 2. Main-Group Chemistry: Groups 1 & 2, 13 & 14 | - Petrucci: chapter 21 |
| 3. Oxidation Numbers, Reduction Potentials and Electrochemistry | - Petrucci*: chapters 5 and 20 |
| 4. Main-Group Chemistry: Groups 15 through 18 plus Hydrogen | - Petrucci: chapter 22 |
| 5. The Transition Elements | - Petrucci: chapter 23 |
| 6. Complex Ions and Coordination Compounds | - Petrucci: chapter 24 |
| 7. Molecular Symmetry, Structure and Bonding | - Shriver: chapter 6 |

References listed above give an overview of the content of the course. Additional material from other sources will be included; content will NOT be limited to that found in the textbook.

* Material in these sections will emphasize topics NOT covered extensively in CHEM 1001. This material comes from the **10th edition** of the textbook.

Important Course Information

All students are expected to familiarize themselves with the university policies on [Academic Honesty and Integrity](#), [Services for Students with Disabilities](#), [Religious Observance Accommodation](#), and the [Code of Student Rights and Responsibilities](#).

Breaches of academic honesty will not be tolerated. Students who breaches York's Academic Honesty Policy will be charged. Here are some examples relevant to this course:²

- students who submit any material for remarking that has been modified in any manner to misrepresent the original assessment will be charged³
- students who misrepresent themselves during a quiz or examination or provide documentation for absence from either of these that is not legitimate will be charged

²This is not intended to be an all-inclusive list.

³A selection of marked quizzes will be photocopied before they are returned.