

## Course Title: Experimental Chemistry I

<b>Course Number</b>	SC/CHEM 3000 3.00
<b>Term/Session</b>	Fall/2018
<b>Prerequisites</b>	SC/CHEM 2020 6.00 or SC/CHEM 2021 3.00, SC/CHEM 2030 3.00, SC/CHEM 2080 4.00. Prerequisite or Corequisite: SC/CHEM 2011 3.00.
<b>Course Credit Exclusions</b>	SC/CHEM 3011 4.00, SC/CHEM 3020 4.00, SC/CHEM 3030 4.0.
<b>Course Director</b>	Dr. Muhammad Naeem Shahid Office: Petrie Science Building 349 E-mail: <a href="mailto:nshahid@yorku.ca">nshahid@yorku.ca</a>
<b>Teaching Assistant</b>	TBA
<b>Lab Coordinator</b>	Michelle Barton Office: Chemistry Building 322 E-mail: <a href="mailto:mebarton@yorku.ca">mebarton@yorku.ca</a>
<b>Technical Staff</b>	Ha B. Au (Physical/Inorganic) Life Science Building 229 E-mail: <a href="mailto:nebula@yorku.ca">nebula@yorku.ca</a>  Olga Girina (Organic) Chemistry Building 306 E-mail: <a href="mailto:ogirina@yorku.ca">ogirina@yorku.ca</a>
<b>Meeting Times</b>	Lecture/Tutorial: Monday 18:00 (60min)
<b>Location</b>	Curtis Lecture Hall J
<b>Office Hours</b>	Monday 1:30 - 3:30pm and/or by appointment
<b>Laboratories</b>	Six laboratory hours per week (2:30- 5:30) depending on the laboratory section and field (Organic, Inorganic and Physical)

**Course Content** The lecture/tutorial component of this course will cover the following topics.

- i) Basic instructions on analytical data handling
- ii) Data interpretation and analysis
- iii) Formal scientific report writing skills
- iv) Searching the chemical literature e.g. Scifinder, Reaxys
- v) Advanced chemistry techniques involved in the laboratories will be covered including IR, UV-VIS, NMR and etc.
- vi) Selected topics relevant to your lab theories will be discussed

**Grade Evaluation** The grading scheme for the course is as follows

Organic (40%)

Inorganic (30%)

Physical (30%)

**Final Grade** Faculty of Science approved letter grades

NOTE: Numerical grades are only guides for assigning of final grades. The Course director retains the prerogative on how to use numerical grades to assign letter grades. Exam and laboratory marks are made available to students; however, a final numerical mark is not disclosed to the student.

### Notes on Labs

- Attendance at all laboratory sessions is mandatory. Absences will result in a grade of zero for any particular lab, unless for a justifiable reason (e.g. illness, family emergency, traffic accident, religious accommodations and etc.). Appropriate documentation (doctor's note, traffic report, etc.) should be provided to the course director only within THREE working days. Hard copy of the lab report will be due at 2:30pm on the **7<sup>th</sup> day** of the completion of the experiment. In case of a public holiday, an electronic copy will be submitted on due date and a hard copy can be submitted the following day. For a late lab report submission, proper documentation e.g. the doctor's note should be submitted to the course

director within THREE working days or else a 10% penalty per day will be applied on the lab report and a zero grade will be awarded on the lab report portion after the 3<sup>rd</sup> day. Electronic copy of your lab report should be submitted to moodle Turnitin and submission due date will be the same as the hard copy. A penalty of 10% per day will also be applied in case of a late submission as stated above.

**University Policies** Students are required to make themselves aware of school policies relating to Academic Honesty and Integrity, Access, Religious Accommodation, Student Conduct and other matters. A summary of these policies can be accessed at <http://www.yorku.ca/secretariat/senate/committees/ascp/documents/CourseInformationForStudentsAugust2012.pdf>

A list of religiously significant dates is also maintained by the registrar's office [www.registrar.yorku.ca/enrol/dates/religious.htm](http://www.registrar.yorku.ca/enrol/dates/religious.htm)