

3. Course Syllabus, Schedule, Delivery Mode

Course-Based Learning Outcomes:

Upon completion of Chem 3320, students will be able to....

- describe the scientific principles governing polymer synthesis and characterization and apply these principles to problems.
- use their knowledge of polymer chemistry to predict and rationalize properties, mechanisms, and patterns of reactivity.
- apply methodologies in order to conduct polymer synthesis, analyses, or other chemical investigations.
- prepare logical, organized, and concise written reports describing their experimental results in the areas of polymer synthesis and characterization.
- work productively and collaboratively as a team member.

Chemistry 3320B Syllabus Winter 2024:

The topics likely to be covered are outlined in the section below. The order of presentation and the number of lectures devoted to each are hesis and

A lab report must be submitted via Gradescope for each experiment (details are provided in the Chem 3320B lab manual). This will either be in the form of a formal, written report or data sheet format. You will be given your individual schedule during the first week of classes (not everyone performs the same experiment the same week).

To help you find the hazards/safety information for the reagents that you will be using in the lab the following online resources will help you:

<https://www.uwo.ca/hr/safety/topics/sds.html>

Laboratory Teaching Assistant: Justin Lomax (jlomax5@uwo.ca).

In order to maintain consistency across the entire course, please contact Justin first with lab-related questions prior to contacting Dr. Gilroy.

5. Methods of Evaluation

Term Test 1 (Friday, Feb 16, in class)	12%
Term Test 2 (Friday, Mar 15, in class)	12%
Assignments 4 problem sets, 5% each (Approximate due dates Jan. 26, Feb. 9, Mar. 1, and Mar. 22; due at beginning of class)	20%
Laboratory 4 reports, 2 worksheets	20%
Final Exam (cumulative, date and time to be announced)	36%

By taking this course you agree to abide by the applicable rules and policies detailed below.

Use of electronic devices: Only basic scientific calculators are permitted on all tests and exams. All other electronic devices (cell phones, laptops, tablets, cameras, etc.) are prohibited.

Policy on Late Submissions: Laboratory reports handed in late will receive a penalty of 10% per day, with the weekend counting as two days. Academic considerations will only be given to students who get the required approval from the academic counsellors in the Faculty of Science. Graded reports will be returned no sooner than 7 days after the due date. No late lab report submissions can be accepted after the graded reports have been returned, whether you received a deadline extension or not. If your academic accommodation for a missed lab report extends beyond the date that graded reports are returned, you will have to apply for a grade of INC and submit the missed lab report the next time the course is offered. Alternatively, you may choose to accept a mark of ZERO for the missed work.

Course Attendance: Course attendance is mandatory for Chem 3320B. Information missed during unexcused absences will not be the grounds for academic appeal.

Evaluated Materials: All work submitted for a grade in this course must be your personal work (or yours and a team member as appropriate), use of answers obtained externally is prohibited.

The labs and assignments are essential components of this course. You must attend and complete at least 4 out of the 6 labs, 2 out of the 4 assignments, write at least one of the two midterm tests, and write the final exam to pass this course. In addition, you must achieve a grade of at least 50% for both the laboratory component and the combined marks for the term tests, assignments, and final examination. Students who fail to meet any of these requirements, whether excused or not, will receive a final grade of not greater than 40%, even if the calculated grade is higher. Exception: Students who, for medical or compassionate reasons, have been granted Incomplete Standing (INC grade) by the Dean's Office will be required to complete the missed work the next time the course is offered.

Problem Sets: Several problem sets will be assigned and graded during the term.

6. Missed Work

If you miss ANY component of the evaluation, regardless of its weight, due to illness or other serious circumstances and wish to be excused, you must provide valid medical or supporting documentation to the Academic Counselling Office of your Faculty of Registration as soon as possible. For further information, please consult the University's medical illness policy at

https://uwo.ca/univsec/pdf/academic_policies/appeals/academic_consideration.pdf

The Student Medical Certificate is available at

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf

In cases where a student registered with Accessible Education misses a piece of work for reasons related to the disability on file with Accessible Education, the student should request accommodation by contacting Accessible Education instead of the Academic Counselling Office.

Assignments

http://academicsupport.uwo.ca/accessible_education/index.html

if you have any questions regarding accommodations.

Learning-skills counsellors at the Student Development Centre (<https://learning.uwo.ca>) are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

Additional student-run support services are offered by the USC, <https://westernusc.ca/services/>.