



Department of Chemistry

Chemistry 3374A – Quantum Chemistry and Spectroscopy: Course Outline

1 Course Information

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4 Course Materials

The primary material of the course consists of your lecture notes – you must take notes during the classes and tutorials – material that is worked-out on the board, material distributed in the class, tutorials, and/or posted at the OWL website of the course, and your work on the assignments.

The following textbooks is optional: “Physical Chemistry: Quanta, Matter and Change” by P. Atkins, J. de Paula, R. Friedman. (2nd Edition , W. H. Freeman & Co, New York 2014). The course covers Chapters 1-5.

Students are responsible for checking the course OWL site (<https://westernu.brightspace.com/>) regularly for news and updates. This is the primary method by which information will be disseminated to all students in the class.

If students need assistance with the course OWL site, they can seek support on the [OWL Brightspace Help](#) page. Alternatively, they can contact the Western Technology Services Helpdesk. They can be contacted by phone at 519-661-3800 or ext. 83800.

4.1 Technical Requirements

You will need pen & paper, or a tablet, for taking notes.

5 Methods of Evaluation

5.1 Grading Scheme and Assessment Dates

The overall course grade will be calculated as listed below:

Component	Date	Value
Midterm 1	Friday Oct 11, in-class.	20 %
Midterm 2	Friday Nov 15, in-class.	20 %
Final exam	Scheduled by the Registrar	60 %

Assignments: Every week, an assignment will be posted on the course website. The assignments will be neither collected nor marked, and no solution key will be provided. However, all the midterm questions, and at least 80% of the questions from the final exam will come from the assignment problems.

Midterms & if you miss them: Two 50 min midterms are scheduled (above) during regular class hours on Friday Oct 11 and Friday Nov 15. The format will be problems and short answers (can be calculations or/and verbal answers). Closed book, calculator needed. No cheat sheet will be provided. There will be no make-up midterms. If you miss the first midterm, the value (percentage) will be moved toward the second midterm, and if you miss the second midterm, the value will be moved to the final exam. If you miss both midterms, the final exam will carry the value of 100% of the assessment (the cumulative contribution of any ip)-354(doy)-3%coursefe

5.2 General information about missed coursework

Students must familiarize themselves with the *University Policy on Academic Consideration – Undergraduate Students in First Entry Programs* posted on the Academic Calendar:

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/academic_consideration_Sep24.pdf.

Please visit the Diversity Calendars posted on our university's EDID website for the recognized religious holidays:

<https://www.edi.uwo.ca>.

You may also wish to contact Accessible Education at http://academicsupport.uwo.ca/accessible_education/index.html if you have any questions regarding accommodations.

Learning-skills counsellors at Learning Development and Success (<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/>.