

CHM1270, U of T, “Frontiers in Inorganic Chemistry”, Winter 2025

I **Contacts**

Course coordinator:

Ulrich Fekl (ulrich.fekl@utoronto.ca)

Instructors and Topics:

Ulrich Fekl (ulrich.fekl@utoronto.ca): Transition Metal Alkyls and Aryls: Mechanisms for C-C Coupling and C-Heteroatom Bond Formation

Maciej Korzyński (maciej.korzynski@utoronto.ca): TBA

Bob Morris (robert.morris@utoronto.ca): TBA

Geoff Ozin (g.ozin@utoronto.ca): Direct Air Capture – Materials to Methods to Technology

Datong Song (d.song@utoronto.ca): TBA

II **Course Organization**

Time: Fridays 2-4 pm, on Zoom, starting January 17

Zoom link: <https://utoronto.zoom.us/j/86372335401>

Meeting ID: 863 7233 5401

Passcode: 225366

All instructors have been added as alternative hosts to the meeting.

For first-time users, see <https://utoronto.zoom.us/>

(If, instead of the above link, an instructor wishes to use their own Zoom or Teams link, they will announce this through e-mail or Quercus to the class)

Lecture schedule:

January 17	Geoff Ozin, first 2h lecture
January 24	Geoff Ozin, second 2h lecture
January 31	Bob Morris, first 2h lecture
February 7	Bob Morris, second 2h lecture
February 14	Datong Song, first 2h lecture
February 21	<i>No lecture -reading week</i>
February 28	Datong Song, second 2h lecture
March 7	Ulrich Fekl, first 2h lecture
March 14	Ulrich Fekl, second 2h lecture
March 21	Maciej Korzyński, first 2h lecture
March 28	Maciej Korzyński, second 2h lecture
April 4	<i>no lecture</i>
April 11	Presentations
April 18	<i>Good Friday – no lecture</i>
April 25	Final Exam

III EVALUATION/GRADING SCHEME

Presentation	35 %
Abstract	5 %
Final exam	60 %

This is a graduate course, and there will be no marked work returned before the drop date.

Abstract and Presentation

20 min, including 5 min. for questions, should be related to one of the subjects discussed in the lectures.
1 page abstract and lead references due: **April 7**

Final exam

Questions will be provided from each instructor's section, and students will be required to answer the questions for 3 of the 5 sections.

Course policies

Each member of this course is expected to maintain a:

- (i) professional and respectful attitude during all course activities, including classes, laboratories, tutorials, and other online activities.
- (ii) personal calendar/schedule/organizer to ensure that all course activities are completed, and due dates are met.
- (iii) collection of notes recorded independently based on concepts covered in course

activities (students registered with Accessibility Services requiring a class note-taker will have access to this accommodation)

(iv) familiarity with the university policy on Academic Integrity

The University of Toronto is committed to equity, human rights and respect for diversity. All members of the learning environment in this course should strive to create an atmosphere of mutual respect where all members of our community can express themselves, engage with each other, and respect one another's differences. The CHM1270 Teaching team will neither condone nor tolerate behaviour that undermines the dignity or self-esteem of any individual in this course and we wish to be alerted to any attempt to create an intimidating or hostile environment. It is our collective responsibility to create a space that is inclusive and welcomes discussion. Discrimination, harassment, and hate speech will not be tolerated. If you have any questions, comments, or concerns, we encourage you to reach out to the staff in our [Equity Offices](#).

INSTITUTIONAL POLICIES AND SUPPORT

Academic Integrity

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Toronto is a strong signal of each student's individual academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously.

The [University of Toronto's Code of Behaviour on Academic Matters](#) outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences.

All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behaviour on Academic Matters. If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, you are expected to seek out additional information on academic integrity from your instructor or from other institutional resources (see www.academicintegrity.utoronto.ca/).

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If a student wishes to copy or reproduce class presentations, course notes or other similar materials provided by instructors, he or she must obtain the instructor's written consent beforehand. Otherwise, all such reproduction is an infringement of copyright and is absolutely prohibited. More information regarding this is available here: <https://teaching.utoronto.ca/ed-tech/audio-video/copyright-considerations/>

ACCESSIBILITY NEEDS

Students with diverse learning styles and needs are welcome in this course. The University of Toronto is committed to accessibility: if you require accommodations for a disability, or have

any other accessibility concerns about the course, please contact [Accessibility Services](#) as soon as possible.

ACCOMMODATIONS FOR RELIGIOUS OBSERVANCES

Following the University's policies, reasonable accommodations will be made for students who observe religious holy days that coincide with the due date/time of an assignment, tutorial, class or laboratory session. Students must inform the instructor before the session/assignment date to arrange accommodations.

ADDITIONAL SERVICES & SUPPORT

The following are some important links to help you with academic and/or technical service and support:

- School of Graduate Studies' [Policies and Guidelines](#)
- Full library service and resources on conducting online research through University of Toronto Libraries [University Libraries Research](#)
- Resources on academic support from the [Academic Success Centre](#)
- Learner support at the [Writing Centre](#)
- Information for [Technical Support/Quercus Support](#)

ACKNOWLEDGEMENT OF TRADITIONAL LANDS

We wish to acknowledge this land on which the University of Toronto operates. For thousands of years, it has been the traditional land of the Huron-Wendat, the Seneca and, most recently, the Mississaugas of the Credit River. Today, this meeting place is still the home to many Indigenous people from across Turtle Island and we are grateful to have the opportunity to work on this land.