Chemistry
UNIVERSITY OF TORONTO

CHM1190: Analytical Chemistry Seminar
Course Syllabus – 2022-23

I   TEACHING TEAM

FALL-TERM INSTRUCTOR:
Name: Kagan Kerman
Email: kagan.kerman@utoronto.ca
Office: Environmental Science and Chemistry Building (UTSC) Room 566

WINTER-TERM INSTRUCTOR:
Name: Alana Ogata
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Office: William G. Davis Building (UTM) Room DV4044

II   COURSE OVERVIEW

COURSE DESCRIPTION:
This one credit course gives graduate students in the analytical chemistry stream practice speaking in front of a scientific audience and helps them to explore cutting edge research topics in detail. MSc students are required to give one departmental seminar describing their research before the completion of their studies. PhD students are required to give two department seminars; typically one in the first or second year, and another towards close to the end of their PhD studies (3rd or 4th-year). Student seminars will be supplemented by presentations from local and not-so-local experts on relevant topics in analytical chemistry. The Analytical Seminar Plus (ASP) program runs in tandem with CHM1190Y seminars. PhD students are required to complete a set number of these ASP points prior to taking their oral exams.

STUDENT LEARNING OUTCOMES:
At the end of this course, successful students will:
• have experience preparing, practicing, and giving 45-minute presentations about their research, tailoring the content to the audience
• be exposed to cutting-edge analytical chemistry research results, presented by peers and experts in and outside of the community

PREREQUISITE COURSE:
There are no prerequisite courses. All graduate students in the analytical chemistry division (as well as "interdisciplinary" students who have selected this division to satisfy their seminar requirement) are expected to enroll and participate in this course each semester that they are in the program.

READINGS:
There are no required readings.

III   COURSE ORGANIZATION

SCHEDULE:
The course will meet (virtually) on select Thursdays at 11:00 AM Eastern Time throughout the school year (Fall and Winter semester). Presentations will be given by zoom synchronously (in real time). **Enrolled students are required to attend the synchronous presentations, which will NOT be recorded.** Check the course website regularly for an updated seminar schedule that includes speaker names, the links to the zoom invitations, and other information.

COURSE WEBSITE:
The most detailed and up-to-date information about the course is posted on the course website, which can be found by logging in to your Quercus account at https://q.utoronto.ca. The link to the zoom can be found below:

For the **Fall 2022** term:

https://us02web.zoom.us/j/86724606579?pwd=Zk
1OajlCUXFiZjFQc1FRWU9sTjNMdz09

Meeting ID: 867 2460 6579

Password: chm1190

For the **Winter 2023** term:
To-be-announced.

IV   EVALUATION/GRADING SCHEME

OVERVIEW:
Evaluation for this seminar is on a credit/no credit basis.

PARTICIPATION:
We expect all enrolled students to *actively participate in seminar* by asking questions to the speaker. Student speakers can expect to receive feedback from their fellow students and from the attending faculty members. *Attendance at each seminar is mandatory* for all graduate students enrolled. We understand that occasionally there are valid reasons for students to occasionally miss seminars (illness, schedule conflicts, experiments in progress that have strict timing requirements, etc.). In these cases, the affected students are expected to make up for missed seminar by attending other seminars pertinent to their graduate studies. There are many opportunities both inside and outside of our department. In addition, from time-to-time, students enrolled in the analytical seminar program will expected to attend other talks in the Department (e.g. departmental colloquia or other special seminars), some of which may have associated ASP assignments (see below).

THE ANALYTICAL SEMINAR PLUS (ASP) PROGRAM:
The ASP program is run in tandem with the Analytical Chemistry seminar series. PhD students in the Analytical Chemistry division must collect a certain number of ASP

points (i.e., 26 for students starting in Fall 2020 and after; previously the number was 30), and this must be completed prior to the oral exam. MSc students are welcome to collect ASP points but are not required to do so. ASP points collected as an MSc student can be used toward the fulfillment of the PhD requirement for students who transfer into the PhD program.

After each seminar, an ASP assignment will be posted that includes questions related to the seminar. Each assignment will include a clearly marked due-date and completed assignments should be uploaded via the "Assignments" page on the Quercus course website. Each submission will be evaluated by the course instructor, and students who have written submissions judged to be acceptable will receive 1 ASP point. At the discretion of the instructor, students who submit answers that are judged unacceptable may be given a second chance to receive an ASP point by rewriting their submission for a new due date, in response to feedback.

ABSTRACTS:
Students will have to send the abstract of their seminar at least 10 business days before their seminar date as a Word file in an email to **Keisha Cokely**: chem.reception@utoronto.ca and CC their supervisor as well as the course instructors (Kerman in the Fall 2022 term and Ogata in the Winter 2023 term).

Abstracts should be concise (250-300 words), well written and free of grammatical and typographical errors. Be sure to tell the highlights of your research results in your abstract. The abstract will also serve as the departmental seminar announcement and should include the date.

V   COURSE POLICIES

GENERAL:
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 course instructor will neither condone nor tolerate behaviour that undermines the dignity or self-esteem of any individual in this course and wishes 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, you are encouraged to reach out to the staff in the university's Equity Offices.

EXPECTATIONS:
Each member of this course is expected to maintain a:
• professional and respectful attitude during all course activities
• personal calendar/schedule/organizer to ensure that all course activities are completed, and due dates are met
• 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)
- familiarity with the university policy on Academic Integrity

ABSENCES:
Enrolled students are required to participate in all of the seminars synchronously. (Asynchronous content is available for follow-up viewing and research.) Attendance will not be closely monitored, but if repeated, unexplained absences are noticed, there is a risk of receiving a "no credit" mark for the course. In circumstances in which you are going to miss a seminar, you must declare the absence using the "Absence Declaration Tool" on ACORN (https://www. acorn.utoronto.ca/) which is found in the "Profile and Settings" menu.

VI   TECHNOLOGY REQUIREMENTS

This course requires the use of computers, and technical challenges are possible. When completing academic work, students are responsible for scheduling enough time to allow for reasonable delays due to technical difficulties to be overcome, so such issues will not be acceptable grounds for deadline extension. Particularly, maintaining an up-to-date independent backup copy of your work is strongly recommended to guard against hard-drive failures, corrupted files, lost computers, etc. Specific guidance from the U of T Vice-Provost, Students regarding student technology requirements is available here: https://www.viceprovoststudents. utoronto.ca/covid-19/tech-requirements-online-learning/, and advice for students more broadly regarding online learning is available here: https://onlinelearning. utoronto.ca/getting-ready-for-online/.

VII   INSTITUTIONAL POLICIES & SUPPORT

ACADEMIC INTEGRITY:
You are encouraged to discuss the content of the seminars in this with your classmates and the speakers. ***However, any ASPs that you submit must be completed by you and you alone, according to the university's policies on 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 (https://governingcouncil.utoronto.ca/secretariat/policies/code-behaviour-academic-matters-july-1-2019) outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences. Potential offences include, but are not limited to:

- Using someone else's ideas or words without appropriate acknowledgement
- Submitting your own work in more than one course without the permission of the instructor
- Making up sources or facts
- Obtaining or providing unauthorized assistance on any report

- Using websites (such as Chegg.com) to post course material/questions/answers
- Looking at someone else's answers or collaborating/discussing on an ASP submission
- Misrepresenting your identity
- Falsifying institutional documents or grades
- Falsifying or altering any documentation required by the University

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 https://www.academicintegrity.utoronto.ca/).

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Course videos and materials belong to your instructor, the University, and/or other sources depending on the specific facts of each situation and are protected by copyright. Do not record, download, copy, or share any course or student materials or videos without the explicit permission of the instructor. 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. Students must inform the instructor well before the assignment date to arrange accommodations.

ADDITIONAL SERVICES & SUPPORT:
Full library service through University of Toronto Libraries
Resources on conducting online research through 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:
The Teaching Team acknowledges the 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.