

CHM1190Y ANALYTICAL CHEMISTRY SEMINARS

COURSE SYLLABUS

Instructors: Prof. Rebecca Jockusch & Prof. Ruby Sullan

Learning outcomes:

- Improved scientific communication skills.
- Exposure to various research fields in Analytical Chemistry.

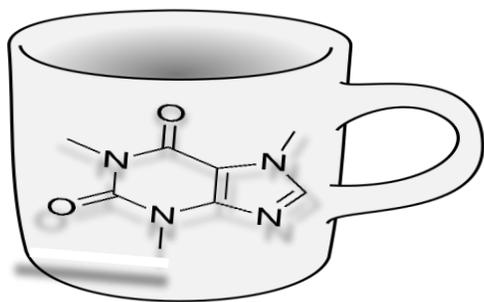
Overview:

This one credit course aims to give graduate students practice speaking in front of a scientific audience and helps them to explore analytical topics in detail. Students will research topics and organize presentations for faculty and other graduate students. The topics may be any aspect of the analytical sciences and must be approved by their supervisor in advance. Our MSc students are required to give one departmental seminar before the completion of their studies. Our PhD students are required give two department seminars; usually one in the first or second year, and another one towards the end of their PhD studies (3rd or 4th-year). Please, consult with your supervisors and let the course instructors know your preferred seminar date. The Analytical Seminar Plus (ASP) program is run in tandem with CHM1190Y seminars. PhD students are required to complete a set number of these ASP points prior to taking their oral exams.

Seminar Schedule:

Thursdays, 10:55 (social)/11:10 (actual seminar) am – noon, starting October 1, 2020

Check the Quercus course page for updated seminar schedule that includes speaker names.



NEW! analytical chem. community gathering: Becca will be on-line drinking her beverage of choice 15 minutes before seminar start (ie, at 10:55 am). Join in our Zoom call early to chat and share your highs and lows from the week before (pertaining to research or otherwise).

Location:

Cyberspace (on-line, synchronous seminars). We will be using Zoom unless otherwise noted. Links to the Zoom session can be found on the Quercus course website (<https://q.utoronto.ca>).

Attendance and Participation:

We expect 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 in our Department, and further afield to do so. In addition, from time-to-time, students enrolled in the analytical seminar program will be expected to attend other talks in the Department (e.g. Colloquia or special seminars), some of which may have associated ASP assignments (see below).

Evaluation:

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

Analytical Seminar Plus (ASP) Assignments:

The ASP program is run in tandem with the Analytical Seminar series. PhD students in the Analytical Chemistry Program must complete a certain number of ASP points (26 for students starting in fall 2020, previously the number was 30), and this generally must be done prior to their oral exam. MSc students are encouraged 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 if the student enters the PhD program.

After each seminar, an ASP assignment will be posted that includes several (generally 3-5) questions related to the seminar. Completed assignments should be uploaded by the submission deadline through the assignments page on the Quercus course website. Completed assignments may be submitted as a PDF (preferred), Microsoft Word document or similar.

After evaluation of each assignment by the course instructor, the successful ones will get 1 ASP point. If the assignment is not found to be satisfactory, the student will be given comments by the course instructor and one more chance to revise their report with a new deadline. If the student fails to revise their report according to the comments of the instructor, they will not get an ASP point.

Special Instructions and Tips for Speakers:

Student speakers should download the pdf posted in the Quercus course website that has additional important information. This includes both requirements for abstract submission and tips on how to give an effective presentation.