

Course: CHEM 267

Instructor: Janine Mauzeroll

Instructor email: Janine.mauzeroll@mcgill.ca

Brief course description: A survey of qualitative and quantitative methods of analysis in Chemistry and their practical application in a laboratory setting. This class covers theory and practice of semimicro qualitative analysis and representative gravimetric, volumetric and instrumental methods. Specifically, the course covers the following Analytical Chemistry Topics: Analytical tools, statistics, equilibrium, electrochemistry, spectroscopy, chromatography and separation.

Method of Delivery:

This is a combined online lecture, online lab course and live tutorials.

Lectures: Tuesday & Thursday at 10:35-11:25 am, via zoom are not mandatory, will be recorded and posted after each lecture

Online Laboratory: Online laboratory sessions will include active learning activities, technical drills and classical laboratory experiments. Live discussions and help by teaching assistants will be available Tuesday at 2:35-6:25 p.m. , M/W/Th/F at 1:35-5:25 p.m. , online via zoom.

Evaluation Scheme:

Graded Items	Date	267
Lab Quizzes	Weekly (on myCourses) 10 total	10*% <i>(drop worst)</i>
Lab Assignments	Weekly 10 total	30*%
Lecture Participation	Weekly	10*%
Take Home Exam 1		20%
Take Home Exam 2		20%
Take Home Exam 3		10%

* Quizzes, assignments, and tutorial grade values are flexible (50% of your total grade).

The default (recommended) values are noted in bold. To select alternative values, you will complete the form below by 11:59 pm Monday September 12th.

Chem 267 Flexible Course Evaluation Form (open Sept 1th to Sept 12th)

Quizzes: Timed quizzes held through myCourses. You will have 2 attempts for each quiz, and the best attempt will count towards your grade. Each quiz will be timed for 1 hour. There are total 10 quizzes, starting week 2. Each quiz will be open the Sunday prior to your laboratory, but once begun the quiz will be timed for 1 hour.

Assignments: Ten assignments will be submitted/graded using CrowdMark or Virtual Classrooms. The assignments will be distributed one day after your assigned laboratory period and due two weeks later by 11h59 pm.

Tutorial: The tutorial grade will consist of two aspects: i. attendance/presentation/participation and ii. workbook submission post-tutorial on Visual Classrooms. For each assignment to get full-credit you must:
1) submit your answer(s) to the tutorial question(s) AND
2) grade 3 peers' assessment based on rubric provided by us.

Take-Home exams: Take-home exams administered using CrowdMark. Details on take-home exams will become available closer to the date of the exams.