Chemistry 504

*COURSE SYLLABUS*

**Instructor: Dr. T. Ausman**

**Room: 252**

**Homework Homepage:** missausman.weebly.com

**Course Description/Rationale**Secondary 5 Chemistry is a senior-level chemistry course that is intended to prepare students for introductory-level college (analytical) chemistry. Paying particular attention to analytic techniques, laboratory methods and safety, concept-development, and some societal applications of chemistry, this course seeks to enhance student knowledge specifically in the following core content areas over three terms:

* Stoichiometry/Review of key concepts from SCE402 (Term 1)
* Gases and their applications (Term 1)
* Energy changes in reactions (Term 2)
* Reaction rates (Term 2)
* Chemical equilibrium, including Acid/Base Chemistry (Term 3)

# **Evaluation**

In accordance with the policies of Quebec education, grade 11 students will continue to be marked on their competency development. In each term students will be evaluated based on the following criteria as indicated by the new MEES Frameworks for Evaluation:

**PRACTICAL: 40%**

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| * Seeks answers or solutions to problems involving chemistry
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| * Communicates ideas relating to questions involving chemistry, using the languages associated with science and technology
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## THEORETICAL: 60%

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| * Makes the most of his/her knowledge of chemistry
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| * Communicates ideas relating to questions involving chemistry, using the languages associated with science and technology
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**Course Assignments**Each term will tentatively consist of the following items
*Competency 1 (40%):* Physical and virtual labs, analysis of laboratory data, lab report writing and analysis questions (midyear laboratory exam, if applicable)
*Competency 2 (60%):* Assignments, Projects, Tests, and Quizzes (including final and midyear exams)

**Absences**
If you are absent for a class, it is your responsibility to see the teacher and make arrangements before or directly after your absence to compensate for missed content. **It is imperative that if you will be missing for a lab, you make arrangements *prior* to your absence, if possible.**

**Class Procedures**I have very few explicit rules in my class, except to say that we all must respect one another. My foremost request is that you do not talk to one another while I am speaking – whether it is during attendance or when I am at the front of the room speaking to you. When we work together during class time, feel free to talk. Also, do ask questions, interrupt me when something is unclear, and ask questions that pique your interest!
Your responsibilities include bringing paper and pencil to class, *every* class. You need your chemistry binder and all of your texts and homework. You will not be permitted to go to your locker, as per school rules. As well, you must hand in all assignments on time. While I am somewhat flexible about late assignments due to illness or other excused absences, I expect you to inform me about your situation.

**Plagiarism**Some of the assignments in chemistry are conducted in groups (ie. partners in labs). While your raw data might be the same as your lab partner’s, no content of your lab reports or other work shall replicate, in any way, the work of another person. If students are found to have shared academic work, a grade of zero will be assigned to the completed assignment, and a referral to administration for disciplinary action will be made. As this course is a requirement for college and CEGEP admission, the integrity of everyone’s grade is important.

 **Safety**There are no exceptions in relation to safety in the lab. You must wear the safety glasses provided to you for all lab exercises. As well, the wearing of open-toed shoes will not be permitted as broken glass can cut you, or chemicals may spill on your feet/ankles. Long hair must be tied back, and long sleeves will be rolled up to avoid catching fire on open flame with Bunsen burners.

Good luck this year. I am sure we will have an enjoyable time in Chemistry 504.