

**UNIVERSITY OF CALGARY
FACULTY OF SCIENCE
DEPARTMENT OF CHEMISTRY
COURSE OUTLINE
SPRING 2017**

1. **Course:** CHEMISTRY 203, General Chemistry: Change and Equilibrium

LEC	DAYS	TIME	ROOM	INSTRUCTOR	OFFICE	EMAIL	OFFICE HOURS
L01	MWF	2:00-3:50	ST 141	Dr. B. Wheatley	SA 156	bmmwheat@ucalgary.ca	TBA

Labs begin May 23rd and Tutorials begin May 18th

d2l.ucalgary.ca [CHEM 203 L01 - (Spring 2017) - General Chemistry: Change and Equilibrium]

2. **Prerequisites:** Chemistry 30 (or Continuing Education - Introduction to Chemistry) and one of Mathematics 30-1 or Pure Mathematics 30 or Mathematics II (offered by Continuing Education).
(<http://www.ucalgary.ca/pubs/calendar/current/chemistry.html#6508>)
3. **Grading:** The University policy on grading and related matters is described sections F.1 and F.2 of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Laboratory Experiments	25%
Tutorial activities	10%
In-class Quizzes	25% (May 19 th , 26 th and June 2 nd , 9 th , and 16 th)
Final Examination (cumulative)	40% (Registrar-scheduled between June 28 th - 30 th)

Grading Scale:

A+	A	A-	B+	B	B-
100% - 92%	91.99% - 86%	85.99% - 82%	81.99% - 78%	77.99% - 74%	73.99% - 70%
C+	C	C-	D+	D	F
69.99% - 66%	65.99% - 62%	61.99% - 58%	57.99% - 54%	53.99% - 50%	<50%

- (1) A minimum 50% on the laboratory AND participation in and submission of no less than three of the laboratory reports is required in order to satisfy prerequisite requirements (i.e. C-) for further Science courses.
 (2) A minimum 50% weighted average on the examinations (Term Tests and Final) is required in order to satisfy prerequisite requirements (i.e. C-) for further Science courses.
 (3) Notes (1) and (2) mean that if students score below 50% in either the laboratory component or the examinations, then the *maximum* grade they can obtain in CHEM 203 is a D+.

Laboratory reports will be graded by laboratory TAs; tutorials, in-class quizzes, and the final exam will be graded by the instructor and reader-demonstrator(s).

4. **Missed Components of Term Work:** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in [Section 3.6](#). It is students' responsibility to familiarize themselves with these regulations. See also [Section E.6](#) of the University Calendar.

There are no deferred in-class quizzes. Tutorial sessions may be made up before graded tutorials have been returned to other students. Students who have missed laboratory sessions may be provided with rough data to complete a lab report, provided graded reports have not been handed back to other students; however, handing in such a dry lab is not considered having attended the lab in person (and three laboratory sessions must be personally attended to obtain more than a D+ in the course). In the event that students miss any course work due to illness then an official medical note will be required. Absences must be reported **within 48 hrs**. The course coordinator will need to see the original documentation (not electronic copy) for review / decision and keep it (or a copy) for their records. If an excused absence is approved, then the percentage weight of a legitimately missed midterm examination *will be pro-rated among the*

remaining components of the course or will be transferred to the final examination (see Section E.3 of the University Calendar), whichever gives the student a better overall final grade.

If a student missed an experiment non-legitimate reasons (e.g. vacation, incomplete or insufficient score in pre-lab assignment), and did not perform the experiment, the contribution of that experiment in the final course grade will be zero.

5. **Scheduled out-of-class activities:** The final exam will be scheduled by the Registrar and will be held either June 28th, June 29th, or June 30th, 2017.
6. **Course Materials:** *Chemistry and Chemical Reactivity, Ninth Edition* by J.C. Kotz, P.M. Treichel and J.R. Townsend, Brooks/Cole, CENGAGE Learning, 2015 (available in print or electronic form), plus printed access code for eLibrary and the Student Solutions Manual.
 - Two Chemistry Laboratory Report booklets
 - Lab coat & safety glasses
 - A non-programmable scientific calculator (Casio FX 260 or equivalent).
7. **Examination Policy:** More than one version of each tutorial quiz, in-class quiz, and final exam will be used, meaning that students will write tutorial quizzes, in-class quizzes, and final exams that are similar or complementary, but not identical, in content. During exams, students are strongly encouraged to have their ID cards present, and should only need writing utensils and non-programmable calculators. Students should also read the Calendar, [Section G](#), on Examinations.
8. **Approved Mandatory and Optional Course Supplemental Fees:** The Department of Chemistry has a laboratory glassware breakage fee. At the start of the course, students are each assigned a locker and check-in to establish that they each have a complete set of usable glassware. By signing for check-in, students agree that they are now responsible for the glassware until check out. Any equipment that is missing, unusable or has been replaced during the semester will be charged to the student. All students, even those who withdraw early from the course must check out of the laboratory before the last day of lectures. Students who fail to check out before the last day of lectures for the term will be assessed a charge of \$30.00. If this fee is not paid by the last day of the final examination period of the term, an additional \$10.00 administrative fee will be charged and university services (registration, transcripts, etc.) may be withheld.
9. **Writing across the curriculum statement:** In this course, the quality of the student's writing in any graded work will be a factor in the evaluation of those reports; in particular, hand-written work that is illegible and written statements that cannot be interpreted cannot receive full credit. See also [Section E.2](#) of the University Calendar.
10. **Human studies statement:** One or more researchers (not your course instructor or TAs) will be undertaking some studies of CHEM 203 topics; students' participation is entirely voluntary. This research has been approved by the Ethics board, CFREB, and the certificate is available for viewing in the Chemistry main office. See also [Section E.5](#) of the University Calendar.
11. **Reappraisal of Grades:** Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See [Section I.3](#) of the University Calendar.
 - (a) **Term work:** A student who feels that a piece of graded term work (term paper, essay, test, etc.) has been unfairly graded, may have the work re-graded. The student shall discuss the work with the Instructor **within 15 days** of either being notified about the mark, or before the end of the term (June 27, 2017), whichever comes earlier. If not satisfied, the student shall immediately submit the *Reappraisal of Term work Grade form* to the Associate Head of Chemistry, Dr. Farideh Jalilehvand (ahugchem@ucalgary.ca), who will arrange for a reassessment of the work if, and only if, the student's argument is valid. *Note:* Students should attempt to present their rationale as effectively and as fully as possible. Mere dissatisfaction with a decision is not sufficient grounds for the appeal of a grade, or other academic decision. See sections [I.1](#) and [I.2](#) of the University Calendar.
 - (b) **Final Exam:** A student wishing a reappraisal of the final grade should contact the instructor. If not satisfied, the student shall submit the request to the Enrolment Services. See [Section I.3](#) of the University Calendar
12. **Laboratory Safety Course:** All undergraduate students taking chemistry laboratories are required to complete an introductory course (approx. 50 minutes) on laboratory safety. This course is presented in an online format. The Safety Course must be completed before the first laboratory experiment. Students who do not complete the safety lessons will subsequently be denied admission to the laboratories. While it will not count directly to the final grade, the material is considered to be part of the course and maybe included in exam questions, and is therefore appropriate for inclusion into

laboratory pre-labs and exams. Students who have previously completed the Chemistry Safety Course at the University of Calgary in the past three years are NOT required to repeat it.

13. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **Misconduct:** Academic misconduct (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Student Misconduct to inform yourself of definitions, processes and penalties. Examples of academic misconduct include but not limited to: submitting or presenting work as if it were the student's own work when it is not; submitting or presenting work in one course which has also been submitted in another course without the instructor's knowledge; borrowing experimental values from others without the instructor's approval; falsification/ fabrication of experimental values in a lab report; copying materials from written or electronic resources; non-authorized recording of lectures. Please read the sections of the University Calendar under [Section K](#).
- (b) **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).
- (c) **Academic Accommodation Policy:** Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities available at http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.pdf. Students needing an Accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Chemistry, Dr. Farideh Jalilehvand, by email ahugchem@ucalgary.ca or phone (403) 220-5353. Religious accommodation requests relating to class, test or exam scheduling or absences must be submitted no later than **5 business days** prior to the date in question: <http://www.ucalgary.ca/pubs/calendar/current/e-4.html>
- (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 403 220-3911 Email: suypaca@ucalgary.ca
SU Faculty Rep. Phone: 403 220-3913 Email: science1@su.ucalgary.ca, science2@su.ucalgary.ca and science3@su.ucalgary.ca;
Student Ombuds Office: 403 220-6420 Email ombuds@ucalgary.ca <http://ucalgary.ca/provost/students/ombuds>
- (g) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.
- (h) **U.S.R.I.:** At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (www.ucalgary.ca/usri). Your responses make a difference - please participate in USRI Surveys.

Department Approval: Approved by Department Head

Date: May 10, 2017