


 UNIVERSITY OF CALGARY
 DEPARTMENT OF CHEMISTRY
 COURSE OUTLINE
 SPRING 2016

1. COURSE: CHEMISTRY 201, General Chemistry: Structure & Bonding

LEC	DAYS	TIME	ROOM	INSTRUCTORS	OFFICE	EMAIL
L01	MWF	12:00-1:50	SA 106	Kyle Hall	SA 156	hallkw@ucalgary.ca
			SA 106	Vivian Mozol	SA 144E	vjmozol@ucalgary.ca

Course and Tutorial and Laboratory Coordinator: Mr. Kyle Hall (SA 156, hallkw@ucalgary.ca)
 Course website d2i.ucalgary.ca: CHEM 201 L01 (Spring 2016) - General Chemistry: Structure & Bonding
 Departmental Office: SA 229, 220-5341, chem.undergrad@ucalgary.ca

2. **PREREQUISITES:** Chemistry 30 (or Continuing Education - Introduction to Chemistry) and one of Pure Mathematics 30 or Mathematics II (offered by Continuing Education). Mathematics 31 is strongly recommended. (<http://www.ucalgary.ca/pubs/calendar/current/chemistry.html#6507>).

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 activities	6%
TopHat/In-class Quizzes	2%
Assignments	4%
Term Test	18% (June 10th, in-class)
Final Examination	35% (To be scheduled by the Registrar)

The student's average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course that will determine the course letter grade. The conversion between final course percentage and letter grade is given below

Grading Scale:

A+	A	A-	B+	B	B-
95% - 100%	87% - 94.99%	82% - 86.99%	77% - 81.99%	72% - 76.99%	66% - 71.99%
C+	C	C-	D+	D	F
62% - 65.99%	58% - 61.99%	54% - 57.99%	50% - 53.99%	45% - 49.99%	< 44.99%

Notes:

(1) A minimum 50% on the laboratory 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 a student scores below 50% in either the laboratory component or the examinations, then the *maximum* grade they can obtain in Chem 201 is a D+.

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 the student's responsibility to familiarize himself/herself with these regulations. See also Section [E.3](#) of the university calendar.

5. REGULARLY SCHEDULED U of C CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY. There are no deferred term test examinations. The weight of a legitimately missed midterm examination will be pro-rated among the remaining components of the course.

6. COURSE MATERIALS: (recommended/required available in the Bookstore or purchased online)

- Textbook (*"Chemistry and Chemical Reactivity", Ninth Edition* by J.C. Kotz, P.M. Treichel and J.R. Townsend, Books/Cole CENGAGE Learning, 2015 (available in print or electronic form), plus printed access code for eLibrary and the Student Solutions Manual).
- Two Chemistry Laboratory Notebooks
- Lab coat & safety glasses
- Model Kit (Molymod recommended)
- A non-programmable scientific calculator (Casio FX 260 or equivalent).

7. EXAMINATION POLICY: Special Needs Students must be registered with Student Accessibility Services (see section 13(c)), and must identify themselves to their instructor as soon as possible. During exams students are allowed to bring only pencils, pens, erasers, their ID card, and non-programmable calculators. If in doubt, check your calculator with your instructor prior to the midterm exam (the programmable TI calculators from high school are not acceptable). See also [Section G](#) of the University Calendar.

8. APPROVED MANDATORY AND OPTIONAL FEES: The Department of Chemistry has a laboratory glassware breakage fee. At the start of the course, each student is assigned a locker and does a locker check-in to establish that they have a complete set of usable glassware. By signing for check-in, a student agrees 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. Any student who fails 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. *The last day of withdrawal from any Spring term course is stated in the 2015-2016 Calendar as Thursday June 30th, 2016* (<http://www.ualgary.ca/pubs/calendar/current/academic-schedule.html>).

9. 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 wet 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 from the safety course is considered to be part of the course and is therefore appropriate for inclusion on laboratory prelabs and exams.

10. LABORATORY AND TUTORIAL INFORMATION: In addition to lectures, students have scheduled tutorials and laboratory experiments every week. **Laboratory experiments and tutorials both begin the week of May 16th, 2016.** Consult your PeopleSoft schedule for exact times and room assignments.

Laboratory Experiments. The Laboratory Manual is available online through Desire 2 Learn. You are expected to print out the portion of the manual you will need for any experiment you will be doing, and complete the online pre-laboratory assignment prior to attending any of your scheduled lab periods. The grade for each experiment will be based on your pre-laboratory assignment, your attendance in the laboratory, and the required experimental report. Students wearing inappropriate laboratory attire or with incomplete pre-laboratory assignments will not be permitted to conduct experiments for safety reasons (see online lab manual for details).

Students repeating the course within the last two years can be exempted from the laboratory component of the Course if a grade of 75% or higher was obtained. Such students must contact the Chemistry Undergraduate Program Administrator, Ms. Jin Meng, in the Chemistry Main Office, SA 229, before the drop date (May 13th, 2016).

Tutorials. You must attend your assigned time slot. Tutorials allow students to meet and work closely with other students and a member of the Department. There are pre-tutorial assignments (found on Desire 2 Learn) that must be completed before attending any tutorial.

- 11. WRITING ACROSS THE CURRICULUM STATEMENT:** In this course the quality of the students writing will be a factor in the evaluation. See also Section [E.2](#) of the University Calendar.
- 12. HUMAN STUDIES STATEMENT:** If you consent, your coursework may be used for educational research purposes once the course is over. Individual responses will remain anonymous and confidential. Grouped data will be used in academic presentations and publications. Participation in such research is voluntary and will not influence grades in this course. Students' signed consent forms will be withheld from course instructors until after final grades are submitted. More information will be provided at the time student participation is requested. See Section [E.5](#) of the University Calendar.
- 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. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties.
 - (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 with documentable disabilities are referred to the following links: [Calendar entry on students with disabilities](#) and [Student Accessibility Services](#).
 - (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 (FOIPPA). 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 Email: suypaca@ucalgary.ca
SU Faculty Rep. 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://www.ucalgary.ca/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. If electronics are misused, the instructors may ban electronics from subsequent lectures.
 - (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.