



UNIVERSITY OF CALGARY
FACULTY OF SCIENCE
DEPARTMENT OF CHEMISTRY
COURSE OUTLINE
FALL 2016

1. **Course:** CHEMISTRY 311, Analytical Chemistry: Quantitative Analysis

Lecture Sections:

LEC	DAY & TIME	ROOM	INSTRUCTOR	OFFICE	PHONE	EMAIL	OFFICE HOURS
L01	Tue & Thu 12:30-1:45	EDC179	Dr. A. Musgrove Richer	SA 144F	220-2745	amanda.musgroveriche @ucalgary.ca	TBA

Course website can be reached via the course management system, D2L.
Departmental Office: SA 229, 220-5341, chem.undergrad@ucalgary.ca

2. **Prerequisites:** CHEM 201 or 211 and CHEM 203 or 213, and MATH 251 or 249 or AMAT 217

Note: The calendar description and the Faculty of Science policy on prerequisites and antirequisites is described in section 3.5 C. of the online University Calendar (<http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html>).

Students are responsible to ensure that they meet all prerequisite requirements for each course in which they are registered. Students who do not meet these requirements will be deleted from the course.

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:

Assignments (4)	5%
Laboratories (7)	35%
Midterm test (1)	20% (November 1, in class)
Final Examination	40% (To be scheduled by the Registrar)

In order to achieve the prerequisite requirements (i.e., C-) for further Science courses, a student must meet ALL of the following requirements:

- (1) submit no less than five of the laboratory analyses,
- (2) achieve a minimum 50% in the laboratory component, and
- (3) achieve a minimum 50% weighted average on the examinations (Midterm and Final).

This means that if a student scores below 50% in either the laboratory or the examinations, then the maximum grade they can obtain in CHEM 311 is a D+.

In determining the laboratory grade, each analysis completed by the student will be assigned a grade of 1 to 5. The laboratory notebook will also be assigned a grade of 1 to 5, and will replace one analysis grade. An average grade out of 5 will be calculated, and converted to a percentage.

All other course grades are determined as a percentage. In determining the final letter grade for the course, the following grading scale will be used:

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	F
92.0%- 100%	86.0%- 91.9%	82.0%- 85.9%	78.0%- 81.9%	74.0%- 77.9%	70.0%- 73.9%	66.0%- 69.9%	62.0%- 65.9%	58.0%- 61.9%	54.0%- 57.9%	50.0%- 53.9%	< 50%

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.6 of the University Calendar. See the course D2L site for specific procedures.

5. **Course Materials:** *"Quantitative Chemical Analysis", 9th Edition, by Daniel C. Harris, MacMillan*

6. **Examination Policy:** All examinations are closed-book. A formula sheet will be provided with the exam, and a non-programmable calculator may be used. No other aids are allowed. Students should also read the Calendar, [Section G](#), on Examinations.
7. **Approved Mandatory and Optional Course Supplemental Fees:** The Department of Chemistry has a laboratory glassware breakage fee. At the start of the course, each student is assigned a locker and checks-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.
8. **Human studies statement:** indicating whether students in the course may be expected to participate as subjects or researchers. See also [Section E.5](#) of the University Calendar.

9. 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 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 Jalilvand, by email ahugchem@ucalgary.ca or phone (403) 220-5353.
- (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.