



UNIVERSITY OF  
CALGARY

UNIVERSITY OF CALGARY  
DEPARTMENT OF CHEMISTRY  
COURSE OUTLINE  
Winter 2015

1. **COURSE: CHEMISTRY423:** Green Chemistry-Principles and Techniques

| LEC | DAYS | TIME        | ROOM     | INSTRUCTOR      | OFFICE    | PHONE    | EMAIL  | OFFICE HOURS |
|-----|------|-------------|----------|-----------------|-----------|----------|--|--------------|
| L01 | TuTh | 9:30 -10:45 | EEEL 349 | Dr. Kal Mahadev | EEEL 237C | 220-7602 | <a href="mailto:mahadev@ucalgary.ca">mahadev@ucalgary.ca</a> | TBA          |

Course website via D2L: CHEM 423 (Winter 2015)

Departmental Office: SA 229, 220-5341, [uginfo@chem.ucalgary.ca](mailto:uginfo@chem.ucalgary.ca)

2. **PREREQUISITES:** [Chemistry 333](#) and one of [353](#) or [355](#); or [Chemistry 357](#) and [409](#): For more information see (<http://www.ucalgary.ca/pubs/calendar/current/chemistry.html#30268>).
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:

|   |      |
|---|------|
| Individual in class presentations (2) and peer Review | 10%* |
| Project report web-based in the form of a WIKI page   | 20%  |
| Final presentation                                    | 15%  |
| Midterm (in class)                                    | 20%  |
| Final Examination (Scheduled by the Registrar)        | 35%  |

\* you are required to attend all presentations and provide feedback for the presentations to get full credit

Each piece of work (Written report, group project, midterm test or final examination) submitted by the student will be assigned a percentage score. 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, which will be used to determine the course letter grade. **A mark of less than 50% on the weighted average of the midterm and final examinations will result in a final grade of no greater than D+.** Students will be expected to actively participate in the class by presentations and discussion on current topics & issues relating to green chemistry and be equal partners in the class projects and presentations. The conversion between the 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% | < 45%        |

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: <http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html>. It is the student's responsibility to familiarize himself/herself with these regulations. See also: <http://www.ucalgary.ca/pubs/calendar/current/e-3.html>.
5. **TEXTBOOK:** "Green Chemistry- An Introductory Text" by Mike Lancaster, RSC Publishing, Second Edition, 2010
6. **EXAMINATION POLICY:** Midterm and final exam are closed book exams. Students should also read the Calendar, Section G, on Examinations: <http://www.ucalgary.ca/pubs/calendar/current/g.html>.

7. **WRITING:** In this course, the quality of the student's writing will be a factor in their evaluation. See also <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>.

**8. OTHER IMPORTANT INFORMATION FOR STUDENTS:**

(a) **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 (<http://www.ucalgary.ca/honesty/>). Please read the sections of the University Calendar under K. Student Misconduct (<http://www.ucalgary.ca/pubs/calendar/current/k.html>) 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 at <http://www.ucalgary.ca/emergencyplan/assemblypoints>.

(c) **ACADEMIC ACCOMMODATION POLICY.** It is the students' responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodations and have not registered with Student Accessibility Services, please contact them at 403-220-6019. Students who have not registered with Student Accessibility Services are not eligible for formal academic accommodations. More information about academic accommodations can be found at [www.ucalgary.ca/access](http://www.ucalgary.ca/access).

(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 (FOIP). 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:** 220-3911 **Email:** [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca).

SU Faculty Rep: **Phone:** 220-3913 **Email:** [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca)

Website: <http://www.su.ucalgary.ca/home/contact.html>.

Student Ombudsman: <http://www.su.ucalgary.ca/page/quality-education/academic-services/student-rights>

(g) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.** You can assume that in all classes that you attend, **your cell phone should be turned off.** 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) **Students who in the view of the instructor engage in disruptive behavior during lectures will be asked to leave the classroom.**

\*\*\*\*\*