

**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Department of Chemistry & Geoscience**

**Chemistry 230**  
**Winter 2004**

**COURSE OUTLINE**

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**1. Instructor Information**

Instructor: Diana Li

Office hours: Monday 11:30-13:20, Tuesday & Friday 11:30-12:20,  
Thursday, 12:30-13:20, or by appointment.

Office, Tel, & e-mail: F344C, 370-3444, lid@camosun.bc.ca

**2. Intended Learning Outcomes**

Please refer to the Approved Course Description attached.

**3. Required Materials**

Text: "Organic Chemistry" by McMurry, 6<sup>th</sup> Ed., 2004—a.k.a. McM. Bundle with Solutions Manual & Molecular Model also available.

Chemistry 230 Lecture Notes Supplement & Appendix by Diana Li, 2004 Ed.

Chemistry 230/231 Lab Manual (Safety glasses mandatory & lab coat recommended)

**4. Course Content and Schedule**

Lecture Plan:

Chapter	Topic (approx. number of lecture hours)
1 & 2-I	Structure & Bonding, Polar Covalent Bonds (6)
2-II	Acids & Bases (4)
3	Organic Compounds: Alkanes & Cycloalkanes(7)
4 & 9	Stereochemistry (2 + lab lec <sup>a</sup> )
10	Alkyl Halides (3)
11	Nucleophilic Substitutions & Eliminations (7)
6, 7, & 8	Alkenes & Alkynes (6)
17	Alcohols (5)
12	IR, Mass Spectrometry, & UV Spectroscopy (lab lec <sup>b</sup> )

## 5. Basis of Student Assessment (Weighting)

Labs	24% (up to 5 Expt., 3 Stereo Lab Lec <sup>a</sup> , 3 Spec Lab Lec <sup>b</sup> )
Test I (Ch. 1, 2, 3, & Stereo)	18% (Week VII lab period, 2.5 hours)*
Test II (Ch. 10, 11, & Spec)	18% (Week XII lab period, 2.5 hours)*
Final Exam (comprehensive)	40% (TBA ~ Week VI, 3 hours in Apr.)

Notes:

- (1) Student must pass the lab portion of the course to obtain credit for Chem 230.
- (2) Student is encouraged to attempt both tests. Test score that is not as high as that of the April final exam will be dropped automatically and its weight redistributed to the final exam. You may choose not to write one or both tests and have each weight redistributed to the final exam. For the gambler who misses both tests, your final exam will then be 80% of the course grade. YIKES!!
- (3) Student must write each test as scheduled. No one is allowed to write late and there will be no make-up test. No exceptions.

\* Test dates to be confirmed during the first week of classes.

## 6. Grading System

The following percentage conversion to letter grade will be used:

A+ = 95 - 100%	B = 75 - 79%	D = 50 - 59%
A = 90 - 94%	B- = 70 - 74%	F = 0 - 49%
A- = 85 - 89%	C+ = 65 - 69%	
B+ = 80 - 84%	C = 60 - 64%	

## 7. Important Dates

Week VI      February 12 & 13 (Thu & Fri): Reading Break

Week VII      Test I, 2.5 hours in Lab

Week X      March 8 (Mon): Last Day to Withdraw....

Week XII      Test II, 2.5 hours in Lab

Week XIV      April 9 (Fri): Good Friday

April 13-17 & 19-21: Exam Period for Winter 2004

## 8. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

Articles in the Library Reserve Room for Chem 230:  
(at least one copy of the followings)

- ◆ "Organic Chemistry" by McMurry, 6<sup>th</sup> Ed., 2004.
- ◆ Study Guide & Student Solutions Manual for the McMurry text above.

## LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College Calendar, Registrar's Office or the College web site at <http://www.camosun.bc.ca>

## ACADEMIC CONDUCT POLICY

There is an Academic Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.

[www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html](http://www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html)