

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

**Chemistry 121-04**  
**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: "Chemistry, The Central Science" by Brown, LeMay, & Bursten, 9<sup>th</sup> Ed., 2003—a.k.a. B-L-B. Solutions Manual & Organic Supplement (for Chem 121) also available.

Chemistry 121 Lecture Notes Supplement & Appendix by Diana Li, 2004 Ed. This supplement goes with both 8<sup>th</sup> & 9<sup>th</sup> editions of B-L-B although the 9<sup>th</sup> edition is preferred over the 8<sup>th</sup>.

Chemistry 121 Lab Manual (Safety glasses mandatory & lab coat recommended)

**4. Course Content and Schedule**

Lecture Plan:

Chapter	Topic (approx. number of lecture hours)
25	Organic Chemistry (9)
14	Chemical Kinetics (7)
5	Thermochemistry (4)
19	Thermodynamics (3)
15	Chemical Equilibrium (3)
16	Acid-Base Equilibria (4)
17	Additional Aspects of Aqueous Equilibria (6)
20	Electrochemistry (2)

## 5. Basis of Student Assessment (Weighting)

Labs ( 8 or 9 experiments)	20%
Test I (Ch. 25 & 14)	20% (Tue, Feb. 10, 2.5 hours in lab)*
Test II (Ch. 14, 5, & 19)	20% (Tue, Mar. 9, 2.5 hours in lab)*
Final Exam (comprehensive)	40% (TBA ~ Week V, 3 hours in Apr.)

Notes:

- (1) Student must pass the lab portion of the course to obtain credit for Chem 121.
- (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 10 (Tue): Test I in Lab  
February 12 & 13 (Thu & Fri): Reading Break

Week X      March 8 (Mon): Last Day to Withdraw....  
March 9 (Tue): Test II 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 120 & 121:  
(at least one copy of the followings)

- ♦ B-L-B, 9<sup>th</sup> Edition & Solutions to Red Exercises (Note: Solutions to the Black Exercises for the 9<sup>th</sup> Ed. will be on Di's door for photocopying by Week II.) Student's Guide, "Math Review Toolkit" & "The Essentials of Organic chemistry" for the 9<sup>th</sup> Ed. are also available.
- ♦ B-L-B, 8<sup>th</sup> Edition, Student's Guide, & Solutions to Red Exercises.
- ♦ B-L-B, 7<sup>th</sup> Edition.

## 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)