

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

Chemistry 120-02
Winter 2004

COURSE OUTLINE

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, 9th Ed., 2003—a.k.a. B-L-B. Solutions Manual & Organic Supplement (for Chem 121) also available.

Chemistry 120 Lecture Notes Supplement & Appendix by Diana Li, 2003 Ed. This supplement goes with both 8th & 9th editions of B-L-B although the 9th edition is preferred over the 8th.

Chemistry 120 Lab Manual (Safety glasses mandatory & lab coat recommended)

4. Course Content and Schedule

Lecture Plan:

Chapter	Topic (approx. number of lecture hours)
1-4	Review of Selected Topics (9)
10	Gases (3)
6	Electronic Structure of Atoms (7)
7	Periodic Properties of the Elements (3)
8	Basic Concepts of Chemical Bonding (3)
9	Molecular Geometry & Bonding Theory (3 + lab lecture)
11	Intermolecular Forces, Liquids & Solids (3)
13	Solutions (3)
18	Chemistry of the Environment (3)

5. Basis of Student Assessment (Weighting)

Labs (8 or 9 experiments)	20%
Test I (Review & Gases)	15% (Wed, Feb. 11, 2.5 hours in lab)*
Test II (Ch. 6, 7, & 8)	20% (Wed, Mar. 17, 2.5 hours in lab)*
Final Exam (comprehensive)	45% (TBA ~ Week V, 3 hours in Apr.)

Notes:

- (1) Student must pass the lab portion of the course to obtain credit for Chem 120.
- (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 11 (Wed): Test I in Lab
February 12 & 13 (Thu & Fri): Reading Break

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

Week XI March 17 (Wed): 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, 9th Edition & Solutions to Red Exercises (Note: Solutions to the Black Exercises for the 9th 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 9th Ed. are also available.
- ◆ B-L-B, 8th Edition, Student's Guide, & Solutions to Red Exercises.
- ◆ B-L-B, 7th 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