

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

Chemistry 110-01
Winter 2005

COURSE OUTLINE

1. Instructor Information

- (a) Instructor: Diana Li
(b) Office hours: Monday, Tuesday, & Friday 10:30-11:20;
Wednesday 10:30-11:20 & 12:30-13:20;
or by appointment.
(c) Office, Tel, & e-mail: F344C, 370-3444, lid@camosun.bc.ca

Please do not wear fragrance or other scented products to class!

2. Intended Learning Outcomes

Please refer to the Approved Course Description attached.

3. Required Materials

Texts: "Fundamentals of Chemistry" by R. A. Burns, 2003 (4th Edition) **or**
"Chemistry, The Central Science" by Brown, LeMay, & Bursten
(a.k.a. B-L-B, the 9th Edition is preferred over the 8th). Solutions
Manual may be purchased with this first year text.

Chemistry 110 Lecture Notes Supplement & Appendix by Diana Li, 2003 Edition.

Chemistry 110 Lab Manual (Safety glasses mandatory & lab coat recommended)

4. Course Content and Schedule

Lecture Plan:

Unit	Topic (approx. # of lecture hours)	Burns Ref.	B-L-B Ref.
1	Thermochemistry (8)	Ch. 3, 11, 13	Ch. 5, 19
2	Chemical Kinetics (5)	Ch. 15	Ch. 14
3	Chemical Equilibrium (5)	Ch. 15	Ch. 15
4	Solution & Solubility (5)	Ch. 4, 6, 9, 10, 11, 14	Ch. 2, 4, 17
5	Acid-Base Equilibria (6)	Ch. 6, 10, 16	Ch. 16
6	Ionization & Neutralization (5)	Ch. 16	Ch. 4, 16, 17
7-I	Oxidation & Reduction (4)	Ch. 6, 10, 17	Ch. 4, 20
7-II	Electrochemistry (3)	Ch. 17	Ch. 20

5. Basis of Student Assessment (Weighting)

Labs (8 or 9 experiments)	20%
Test I (Units 1, & 2)	20% (Week V, Tue, Feb. 8 Lab Period)
Test II (Units 3, 4, & 5)	20% (Week XI, Tue, Mar. 22 Lab Period)
Final Exam (comprehensive)	40% (TBA ~ Week V, 3 hours in April)

Notes:

- (1) Student must pass the lab portion of the course to obtain credit for Chem 110.
- (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 in the lab period as scheduled. No one is allowed to write late and there will be no exceptions.

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

- V February 8 (Tue): Test I in Lab
February 10 & 11 (Thu & Fri): Reading Break
- X March 14 (Mon): Last Day to Withdraw....
- XI March 22 (Tue): Test II in Lab
March 25 (Fri): Good Friday
- XII March 28 (Mon): Easter Monday

April 18-23 & 25-26: Exam Period for Winter 2005

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

Articles in the Library Reserve Room for Chem 110, 120, & 121:
(at least one copy of each of the followings)

- ◆ "Chemistry, The Central Science" by Brown, LeMay, & Bursten, 9th Ed., 2003. Student's Guide & "Math Review Toolkit" are also available.
- ◆ "Chemistry, The Central Science" by Brown, LeMay, & Bursten, 8th Ed., 2000 and its Student's Guide.

- ◆ “Chemistry, The Central Science” by Brown, LeMay, & Bursten, 7th Ed., 1997.

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

