

## COURSE OUTLINE

### 1. Instructor Information

- (a) Instructor: Diana Li  
 (b) Office hours: Monday & Wednesday 15:30-17:30;  
 additional office hours if available: Thursday 15:30-17:30;  
 or by appointment.  
 (c) 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

Texts: "Fundamentals of Chemistry" by R. A. Burns, 2003 (4<sup>th</sup> Edition) **or**  
 "Chemistry, The Central Science" by Brown, LeMay, & Bursten  
 (a.k.a. B-L-B, the 9<sup>th</sup> Edition is preferred over the 8<sup>th</sup>). 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 (9)	Ch. 3, 11, 13	Ch. 5, 19
2	Chemical Kinetics (5)	Ch. 15	Ch. 14
3	Chemical Equilibrium (6)	Ch. 15	Ch. 15
4	Solution & Solubility (4)	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 (4)	Ch. 17	Ch. 20

## 5. Basis of Student Assessment (Weighting)

Labs ( 8 or 9 experiments)	20%
Test I (Units 1, & 2)	20% (Week V, Wed, Oct. 6 Lab Period)
Test II (Units 3, 4, & 5)	20% (Week X, Wed, Nov. 10 Lab Period)
Final Exam (comprehensive)	40% (TBA ~ Week V, 3 hours in December)

### 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 December 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 October 6 (Wed): Test I in Lab  
VI October 11 (Mon): Thanksgiving Day  
X November 9 (Tue): Last Day to Withdraw....  
November 10 (Wed): Test II in Lab  
November 11 (Thu): Remembrance Day

December 13-18 & 20-21: Exam Period for Fall 2004

## 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, 9<sup>th</sup> Ed., 2003. Student's Guide & "Math Review Toolkit" are also available.
- ◆ "Chemistry, The Central Science" by Brown, LeMay, & Bursten, 8<sup>th</sup> Ed., 2000 and its Student's Guide.
- ◆ "Chemistry, The Central Science" by Brown, LeMay, & Bursten, 7<sup>th</sup> 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](http://www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html)

