

# **CHEMISTRY 305 COURSE INFORMATION - JANUARY TERM 2010**

## **PHYSICAL CHEMISTRY III**

### **INTRODUCTION**

Welcome to Chemistry 305. This is a course at the third year level on physical chemistry. The prerequisite is second year physical chemistry. The course is intended primarily for Chemistry Majors, but may also be of interest to students in physical and environmental sciences. This course includes spectroscopy, thermodynamics of phase changes, concepts of chemical equilibrium (electrochemical, acid-base, biochemical). As time permits, lectures will also cover various aspects of the chemistry of surfaces and adsorption phenomena. In this course, you will be consolidating some concepts previously encountered.

### **TEXTBOOKS**

There is one textbook required for this course:

Physical Chemistry (Second Edition) by R. Stephen Berry, Stuart A. Rice and John Ross  
There are a number of textbooks on physical chemistry available through the library. Material not in the textbook may be assigned.

### **LECTURES AND TUTORIALS**

There is one lecture section for this course held Monday, Wednesday, and Friday from 12:30-13:20 pm in room 5-159. There is tutorial on Wednesday 9:30-10:20 in 5-174. Attendance at tutorial is mandatory. This will be reviewed after the first term test.

The lecturer is:

Professor Margot E. Mandy  
Office: 8-412 (New lab building)  
Telephone: 960-6676  
E-mail: [mandy@unbc.ca](mailto:mandy@unbc.ca)

I am available for consultation by mutual convenience or during office hours. My schedule is posted on my door.

If there are students in this course who, because of a disability, may have a need for special academic accommodations, please come and discuss this with me, or contact Disability Services located in room 10-1048.

### **EMAIL LISTS**

There is an email list for this course consisting of the addresses provided by students. It is assumed that students read email at least once every 24 hours and have ensured that the email address provided can receive mail sent to lists.

This course list is in addition the two lists that the UNBC Chemistry program maintains for announcements and notices: [chemistrylist@unbc.ca](mailto:chemistrylist@unbc.ca) or [biochemistry@unbc.ca](mailto:biochemistry@unbc.ca). To subscribe to either of these lists, send an email to [majordomo@unbc.ca](mailto:majordomo@unbc.ca), leaving the subject line blank and having as the body of the message "subscribe chemistrylist" or "subscribe biochemistry" on the first line followed by "END" on the second line.

## **TERM TESTS AND PROBLEM SETS**

There will be several problem sets and two term tests in this course.

## **FINAL EXAMINATION**

There will be a final examination during the exam period, April 12 - 23, 2010. Any student who has due cause to write the examination on a date other than the scheduled date must notify the professor within one week of the examination schedule becoming available.

## **CALCULATORS AND ELECTRONIC DEVICES IN TESTS AND EXAMINATIONS**

The university's regulations and policies restrict devices permitted during an examination to those for which the instructor has given written permission. A student may use an electronic calculator during tests and the examination in this course, providing it is incapable of communicating with other electronic devices. No multipurpose electronic devices are permitted. No other electronic devices are permitted.

## **MARKS**

The mark in this course will be assigned as follows:

Problem Sets	30%
Two Term Tests	15% each
Final Exam	40%
Total	100%

Penalties for Academic Offenses will be in accordance with UNBC Regulations and Policies. See pages 62-63 of the 2009-2010 Calendar.