

Chemistry 1B Section 32816 Course Information, Spring 2008

Instructor Dr. Siobhán S. F. Freitas
Lecture and 12:15 pm - 1:56 pm Tuesday and Thursday
Lab 8:10 am – 11:33 am Tuesday and Thursday
Office Hours Mon. /Wed. 2:00-3:10pm Fri. 12:00 pm-1:10 pm
 Tues. /Thurs. 3:00pm-4:10pm or by appointment
Office Hours will be held in either Hum 204 or Theater 201. Please check both locations.

E-mail Siobhan.Freitas@rcc.edu - Please put **Chem1B** in the subject header so that I don't accidentally delete you! This is the best way to contact me.

Voice mail (951) 372-7164 - *I do not return phone calls unless a student has been absent for an extended period of time due to an illness or personal difficulty.*

Office Theater 201

Class WEB page URL: <http://faculty.rcc.edu/freitas>

Required Materials: (all items available in the college bookstore)

- John C. Kotz and Paul Treichel Jr., *Chemistry and Chemical Reactivity*, 6th ed., Thomson Learning Inc. Publishers
 - The course experiments will be downloaded from the class website.
 - Bound Composition Notebook for Experiments in Lab.
 - A calculator that does logarithms, ln (natural logs), exponents and scientific notation. **Graphing calculators** are NOT allowed during exams! *It is your responsibility to know how your calculator works. Make sure you have the directions to use your calculator!*
 - **BRING ALL OF THE ABOVE ITEMS TO EVERY CLASS.**
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STUDENT SUCCESS

IF STUDENT EFFORT = 0, STUDENT LEARNING = 0, BUT EVEN IF STUDENT EFFORT IS CONSIDERABLE, IF YOU DON'T UNDERSTAND THE MATERIAL, YOU WILL NOT PASS THE CLASS!!

THEREFORE

DO YOUR HOMEWORK REGULARLY AND ATTEND OFFICE HOURS AS SOON AS YOU HAVE QUESTIONS – DON'T WAIT!

Academic Integrity: No form of cheating will be tolerated. Failure to work independently on exams, quizzes, and laboratory reports according to the guidelines set by the instructor, will be penalized according to Riverside Community College District regulations, and may result in an F grade for the course.

Chemistry 1B Grading Criteria

Grades A total of 785 points are possible as indicated below:

3 Exams	300 points	100 pts each
6 Quizzes (one will be dropped)	125 points	25 pts each
Final Exam-cumulative	200 points	
Laboratory Assignments	200 points	
Total points	825 points	

Final Grades will be assigned according to the following breakdown:

A	90-100%	737-825 Points
B	80-89%	655-736 Points
C	65-79%	531-654 Points
D	50-64%	412-530 Points
F	0- 49%	0-411 Points

MISSED EXAMS AND EXPERIMENTS are only made up by students with a legitimate excuse for absence (doctor's note etc...) at the convenience of the instructor.

• The lowest 20 points of your lab reports will be dropped. – needs to be added.

- The **Final Exam** is cumulative-it covers material from the entire semester. The **Final Exam** will be held Tuesday, June 10 from 8:00 am – 11:00 am in the regular lecture room (the final is a 2.5 hour exam).
- This is a **laboratory** course. The labs are a mandatory part of the course. Although the lab points account for about 25% of your grade, failure to pass the laboratory section of the course will result in a failure for the course. The definition for passing the lab is 65% of the total laboratory points.
- **NEW:** You must be on-time to lab in order to participate in lab. When I am ready to start the lab lecture, I will lock the door. Anyone inside the lab at that time, will be doing lab that day. Anyone outside the door at that time, will miss lab, and will not be allowed to make it up, without a legitimate excuse.
- Lock-outs do not apply to quizzes or exams or lecture.
- **Homework** will be assigned regularly, and can be downloaded from our website, but will not be collected or graded. Correctly completing the homework is the most effective way of learning the material in this class. All students are encouraged to form study groups and/or attend office hours to more completely understand the concepts discussed in class.
- No Extra Credit assignments are given in this class.
- You are responsible for checking the class website on a weekly basis.

Chemistry 1B Learning Objectives

Upon successful completion of the course the student should be able to:

1. Solve multi-step problems (using formulae and unit-analysis) relating to kinetics, equilibria, thermodynamics, electrochemistry, and other course content.
2. Collect and analyze data from chemical experiments, including graphing, calculations and qualitative understanding of how data relates to the concept studied.
3. Construct and manipulate equipment to secure reasonably accurate measurements.
4. Describe and apply chemical concepts of kinetics, equilibria, thermodynamics, and electrochemistry.
5. Describe and apply a chemical vocabulary of approximately 400 words.

The course outline of record is the official content of this course. It is posted on the class website. When transferring, if a counselor wants to know what material is discussed in this class, the course outline of record will give enough specifics for those who determine whether one course is equivalent to another.

Quiz and Exam Schedule:

	Tuesday	Thursday	
Week 1	Feb. 19	Feb. 21	
Week 2	Feb. 26	Feb. 28	
Week 3	Mar. 4	Mar. 6	Quiz 1
Week 4	Mar. 11	Mar. 13	Quiz 2
Week 5	Mar. 18	Mar. 20	Exam 1
Week 6	Mar. 25	Mar. 27	
Week 7	Apr. 1	Apr. 3	Quiz 3
Week 8	Apr. 8	Apr. 10	Quiz 4
Week 9	Apr. 22	Apr. 24	Exam 2
Week 10	Apr. 29	May 1	
Week 11	May 6	May 8	Quiz 5
Week 12	May 13	May 15	Quiz 6
Week 13	May 20	May 22	
Week 14	May 27	May 29	Exam 3
Week 15	June 3	No Class-start of finals week.	

- The **Final Exam** will be held Tuesday, June 10 from 8:00 am – 11:00 am in the regular lecture room (the final is a 2.5 hour exam).
- Exams and quizzes occur on the dates in **bold** font.
- All Quizzes will start at 8:10 am in lab.
- If you are late for an exam or quiz, no extra time will be allowed. You will not be locked out of a quiz or an exam. If you come late, you just have less time to complete the assignment, but you will be allowed to do the assignment.

Chemistry 1B

Ethical Behavior

- As an instructor, I care about the students who take my class. You may expect to be treated fairly and with respect. In turn, I expect that my students act with courtesy and respect towards myself and all other individuals in this class. I will do my utmost to ensure that the final grade truly reflects the ability of the student; therefore, cheating will not be tolerated in this class. All material submitted for grading (lab reports, quizzes, and exams) must be your own work.
- Each student must write his/her own lab report. If you submit a lab report and a portion of that lab is copied from someone else, or from a previous class, that is considered cheating and will result in a zero grade for the lab. **Copied data and copied lab report explanations will result in a zero for that lab, for all students involved.**
- Students write all exams and quizzes without the benefit of notes and textbook. If notes are used for an exam or quiz, or information unavailable to other students is stored in a programmable calculator, this is considered cheating. I reserve the right to inspect calculators during an exam or quiz.
- Communicating with other students during an exam may or may not be considered cheating; however, the communication will result in the end of the exam time for all students communicating. The exam will be graded up to the point at which it is taken away and no make-up for the rest of the exam will be allowed.
- Cheating includes allowing someone else to copy your work. In each case, all students involved will receive a zero for the work in question.
- Examples of cheating include, but are not limited to those examples described above. For all cases involving cheating, a letter will be written and filed with the Dean of Students giving your name(s) and a description of the incident.

Disabled Student Programs & Services

If you have a physical, psychiatric/emotional, medical or learning disability that may impact your ability to carry out assigned course work, I suggest that you contact the staff in Disabled Student Programs and Services (DSP&S), in SSV 123, phone number 372-7070. DSP&S will review your concerns and determine, with you, what accommodations are necessary and appropriate. All information and documentation is confidential.

Computer Access-newly added, after this syllabus was made.

- This class has a website through which homework, test information, and other information may be obtained. The test information will be posted weekly. It is the student's responsibility to go to a computer and obtain this information. If you do not own a computer, you can sign up for a Computer Lab Practicum, which is simply on-campus computer access to computers in ST 101. The computer lab practicum is a course (CIS-96A) that allows internet access and printing privileges. It is a 0.25 credit course, so it costs about \$6.50. Another option is to come to office hours and print out the information, but you must bring your own paper (or use the back of my old handouts – I recycle paper this way).