

Announcement sheet 1 for CHE 106, Spring Semester 2008

Lecturer: Professor K. J. Takeuchi, 413 Hochstetter Hall
email: takeuchi@buffalo.edu
office phone: 645-2872

Office Hours: Office hours will be announced in lecture. Please do not hesitate to ask questions during lecture. Please note there may be delays in email or phone correspondence – please address important matters well in advance in person.

Laboratory Directors: Mrs. P. Clarke, 266 NSC, 645-6800 ext. 2062, pbc@buffalo.edu
Dr. V. Frerichs, 344 NSC, 645-6800 ext. 2497, zuccari@buffalo.edu
Please see Mrs. Clarke or Dr. Frerichs concerning problems with registration, recitation, and laboratory.

Class hours: Twice per week, Tuesday and Thursday, from 11 AM to 12:20 PM in NSC 216. Many important announcements (including changes for CHE 106) are made in lecture, so please consider attendance for all lectures as required and crucial to success in CHE 106.

Note: Students in CHE 106 should have a good background in high school chemistry, and be interested in science or chemistry related majors or minors.

Required Materials:

"Chemistry," eighth edition by Whitten, Davis, Peck, and Stanley.
"Chemistry in the Laboratory, UB, 10th Edition," by Scaife, Beachley, Allendoerfer.
CHE 101-2/107-8 Lab Kit, safety goggles, padlock for lab drawer.
A valid University I.D. card will be required at exams and laboratories.
A calculator with no alphanumeric storage capability is required for exams.

Recommended Materials:

Lab apron or lab coat.

Assignments and exams:

Problem sets (~8 points per problem set): problem sets and due dates will be announced in lecture. The problems should be answered in detail and neatly, where all work is shown, terms defined, and clear explanations given. Answers without work and explanations will not be given full credit.

Laboratory reports (10 points per lab report): due dates to be announced in recitation/lab. Lab reports should be written in detail, where the student does not simply respond to the question with one word answers but rather complete sentences used and ideas explained. A detailed flow chart (1 point per flow chart) should be turned in the day that the lab experiment is to be done, at the beginning of the recitation.

Three exams (~124 points per exams 1 and 2, ~144 points for exam 3):

Exam 1: Tuesday, February 26, 2008
Exam 2: Tuesday, April 1, 2008
Exam 3: during finals week

note: the dates for the exams are tentative and subject to change. Any changes in the dates for the exams will be announced in lecture, so students need to attend lecture in order to learn of any updates regarding the exams or homework. The details of the exams will be discussed in lecture.

Total points: approximately ~600 points.

Grading Scheme:

The final course grade is determined on the basis of the total number of points accumulated. Approximate percentages for letter grades will be discussed in lecture. Students should keep all examinations, lab reports, writing assignments, and problem sets until the final course grades are determined. These are the only materials which will be accepted as evidence of clerical error in the determination of a course grade.

Note: any assignment or exam may be submitted for a regrade only within one week following the return of the assignment or exam. Regrades will not be conducted after one week.

Assignments or exams must be turned into NSC 361 (the copy center) for regrading, where the nature of the problem must be specified on an attached sheet. Assignments or exams containing extra marks or “white out” corrections will not be regraded.

Registration:

All students must be registered for CHE 106 lecture and CHE 106 rec/lab.

Important Dates (please verify these dates using the university academic calendar):

Friday, January 25, 2008: last day to drop/add a course.

Friday, March 28, 2008: last day to resign a course with a grade of R.

Lecture:

The exam questions that do not come from the homework will be derived from the lecture material or the text, so it is very important to attend lecture. The lectures will follow the general order of the text, but the lectures might contain additional material not covered in the text. Any important announcements regarding changes in the course syllabus or grading scheme will be announced in lecture. The planned coverage for CHE 106 is part or all of chapters 14 – 25, 27 and 28 of the text by Whitten. The chapter coverage may not be in numerical order and is subject to change. Attendance at all lectures is important for success in CHE 106.

Laboratory:

Safety regulations require that safety goggles and shoes (not sandals) be worn for all lab work. Shorts, halters, midriff tops, roller blades, and “Walkman” type headsets are examples of personal wear items not permitted in the laboratory. For a more complete discussion of laboratory safety, read pages 9 – 21 in your lab manual. For any safety violation, students will receive one warning. A second violation will result in expulsion from the laboratory and a grade of zero will be given for that day’s laboratory work.

Students are expected to read all of the materials concerning the experiment of the day before the pre-laboratory discussion, including any specific safety considerations. For some laboratory experiments, students are to write out a flow chart as well as the answers to the pre-lab questions in a legible form and hand them in to their lab instructor at the beginning of pre-laboratory discussion. At the conclusion of the lab period, after cleaning their station, students are to turn in their data sheet and have their instructor initial their lab book. The write-up of the experiment (including post lab questions) is due at the next lab meeting and should be turned in prior to the pre-lab discussion. Student I.D. cards will be used to check out some laboratory equipment at the stockroom.

A laboratory safety awareness test is scheduled for all recitation/lab sections. The test will be given during the first week of recitation/lab in recitation. Students should read pages 9 – 21 in the lab manual to prepare for this test. Students missing more than two questions on the lab safety test will be required to repeat the test.

Students who incur charges for broken or missing equipment during the semester will be billed by the Office of Student Accounts on the next tuition bill.

All students must check out their lab drawer during their regular lab period (with their lab instructor) during the week of check-out. Students who do not check out at the scheduled time are subject to a \$100.00 fine/penalty plus charges for broken or missing equipment as well as having the lock cut off the drawer. Safety glasses and lab kits will be held in the stockroom for one month only. Students who drop the course during the semester must check out within one week of dropping to avoid the check out charge. Students who are absent from check-out at the end of the semester because of illness must complete a waiver form, available at the Copy Center (361 Natural Sciences Complex) to have this \$100.00 fine/penalty waived. This form requires written documentation from a physician verifying the reason for the absence. This form with documentation is due no later than the last day of the University final exam period..

Academic Integrity:

The guidelines for academic integrity in this course will approximate the guidelines for academic integrity for General Chemistry (Chemistry 101/2 and Chemistry 107/8), which are the general guidelines for academic integrity for the Department of Chemistry. Students should consult the Academic Regulations and Procedures section of a current Undergraduate Catalog for a more detailed discussion of possible harsher sanctions and the appeals process.

For the first act of academic dishonesty, a penalty of a zero grade plus a subtraction of the grade for the assignment may be assigned. For subsequent offenses, a zero grade for the assignment may be assigned and a subtraction of 100 points from the student's point total may occur, regardless of the point value of the assignment. In addition, any act of academic dishonesty may be subject to further disciplinary action by the university.

Academic dishonesty includes, but is not limited to, the following:

1. The possession of crib sheets or unauthorized notes at an examination or quiz, whether or not they are used. (Calculator memory, calculator cases, or other articles are subject to inspection by the proctors.) No calculators with alphanumeric storage are to be used during exams.
2. Copying from another examination, quiz, homework problems, paper, project, or lab report or allowing another person to copy from you. This includes plagiarism from written or electronic materials.
3. Changing any of the answers on an examination, quiz, homework problems, paper or lab report and then requesting that the examination, quiz, homework problems or lab report be regraded.
4. Reporting laboratory work not actually done in the laboratory or using data inconsistent with the numbers listed on the data sheet.

Make up policy:

Students who are unavoidably absent from an exam, recitation or laboratory must obtain a request for excused absence form from outside the copy center, room 361 of the NS Complex. These request forms must be signed by the appropriate instructor (lecturer for exams and papers, recitation TA for problem sets, and lab TA for lab reports). If the lecturer needs to sign the form, please bring the form to class. The student should be prepared to further document the absence if requested to do so.

Completed forms should be turned into the copy center, room 361 of the Natural Sciences Complex, within six days of the missed exam or assignment as a necessary part of the process for obtaining an excuse for the absence. If an absence from a problem set, lab, exam, or make up exam is not considered as valid by Professor Takeuchi or Mrs. Clarke, a score of zero will be assigned for the missed work.

Late problem sets will be accepted only with a valid excuse (see Mrs. Clarke for details). Without an excuse, late problem sets will be given a grade of zero.

Missed lab experiments can not be made up. Lab reports that can not be completed because of missed lab experiments due to a valid absence may be prorated on the basis of other completed lab

reports, at the discretion of Mrs. Clarke. Points will be deducted for late lab reports (see Mrs. Clarke for further details).

If a missed exam is not made up, a score of zero will be assigned for the missed exam. In addition to the above rules regarding the documents for a missed exam, if a student misses an exam, the student needs to contact Professor Takeuchi by e-mail before the missed exam or at the latest the day of the exam and provide a valid excuse, in order to be eligible to take the make up exam.

The make up exams will be scheduled for the next lecture period after the exam (students taking the make up exam should arrive early to lecture on the day of the make up exam) unless a change is announced in lecture (see lecturer for make up date for third mid-semester exam). If a student misses the make-up exam, the student should file another excuse form and contact Professor Takeuchi immediately. If a student misses a make-up exam with a valid excuse, it may become necessary to assign a grade of I and the student may be asked to complete the missed exam or exams during the next year's CHE 106 class. A student who has a valid excuse for missing the third exam must make arrangements with Professor Takeuchi for a make up exam.

Incompletes:

Students who present a valid written excuse for their failure to take the third examination either prior to or within 48 hours of the third examination may be given a grade of I if they had a passing overall grade up to the third exam. Students with failing overall averages up to the third exam are not eligible for incompletes and will be assigned a grade of F if they do not take the third examination. Students requesting an incomplete are reminded that University regulations prohibit a second registration in a course for which they currently have an I grade. Also, all I grades must be removed within a 15 month period after receiving the I grade. Students who stop attending the course, as judged by their absence from the second and third examinations, without officially resigning, will be assigned a course grade of F and the lack of attendance will be reported to the Office of Financial Aid at the end of the semester.

Students with Disabilities:

If you have a disability (physical, learning or psychological) which may make it difficult for you to carry out the course work as outlined, and/or, requires accommodations such as recruiting note takers, readers, or extended time on exams and assignments, please contact the Office of Disability Services (ODS), Professor Takeuchi, and Mrs. Clarke during the first two weeks of class. ODS will provide you with information and review appropriate arrangements for reasonable accommodations.

Note: As mentioned above, many important announcements and possible changes (such as due dates or point distributions) in the course are made in lecture, so it is very important to attend every lecture.

Note: Please clarify with Professor Takeuchi or Mrs. Clarke or Dr. Frerichs regarding any particular details of interest involving this syllabus, in the event of typos or syllabus changes made during the semester.

Chemistry 106 Spring 2008 Lab Schedule

Week of	Monday	Tuesday	Wednesday	Thursday	Friday
Jan 14	Classes begin		No Rec/Lab	No Rec/Lab	
Jan. 21	Martin Luther King - Holiday		No Rec/Lab	No Rec/Lab	Last day to Drop/Add
Jan. 28	Check In/Lab Safety Test		Check In/Lab Safety Test	Check In/Lab Safety Test	
Feb 4	Exp. 13 (<i>Collig. Prop./ molality</i>)		Exp. 13	Exp. 13	
Feb. 11	Exp. 14 (<i>Kinetics</i>)		Exp. 14	Exp. 14	
Feb. 18	CASPiE 1 (<i>Solution prop., spectrophot.</i>)		CASPiE 1	CASPiE 1	
Feb. 25	CASPiE 2 (<i>Equilibrium./ Quant. spec.</i>)		CASPiE 2	CASPiE 2	
March 03	CASPiE 3 (<i>Titration, oxid. red./ buffers/ sample prep.</i>)		CASPiE 3	CASPiE 3	
March 10	SPRING RECESS				
March 17	CASPiE 4 (<i>Model titration: hypoth./ Forming hypoth.</i>)		CASPiE 4	CASPiE 4	
March 24	CASPiE 5 (<i>St. Hypoth. Testing</i>)		CASPiE 5	CASPiE 5	
March 31	CASPiE 6		CASPiE 6	CASPiE 6	
April 07	Exp. 19		Exp. 19	Exp. 19	
April 14	Exp 20		Exp. 20	Exp. 20	
April 21	Check Out (<i>CASPiE Poster Session</i>)	Check Out		Check Out	
April 28	Last Day of Classes	Reading Day	Reading Day	Exams begin	
May 5				Exams End	