

CHM 2046 – General Chemistry II – Fall 2011

- Instructor:** Professor Adam S. Veige, CLB 412B
veige@chem.ufl.edu (email is recommended for contact)
Office Hours: M W F period 3
- Sections:** 0745, 0747, 0748, 0749, 0750, 0751, 0752, 0754, 1900
- Lectures:** **M W F Periods 4** (10:40 – 11:30 AM) in CLB C130. Classes begin **August 22nd, 2011**. Concurrent enrollment in CHM 2046L, MAC 2311, or MAC 2312 is suggested.
- Discussions:** Tuesday classes corresponding to the section numbers above meet with a Teaching Assistant (TA) and will start **September 6th**.
- Teaching Assistants:** Soumya Sarkar (soumya83@ufl.edu, CLB 419), Amrita B. Mullick (amullick@ufl.edu, CLB 417), M Tariq Jan (tariq1@ufl.edu, CLB 417). TA office hours are held in the Chemistry Learning Center (CLC) in Flint Hall 257 (schedules posted there) and will start **August 29th**.
- Text:** *Principles of General Chemistry*, by Martin S. Silberberg, 2nd Ed, McGrawHill
- Description:** CHM 2046 is the second semester of the CHM 2045 – 2046 General Chemistry I and II sequence. Topics include, chemical equilibrium, acid-base and ionic equilibrium, thermodynamics, electro-chemistry, and an introduction to transition metal coordination compounds.
- Attendance:** While attendance will not be taken, it is highly recommended that you attend every lecture and discussion period.
- Homework:** Problems found at the end of chapters are strongly suggested. While they will not be graded, their purpose is to reinforce concepts discussed in lecture.
- Quizzes:** **Four** announced quizzes will be given during the **Tuesday** discussion periods found on the schedule. Each quiz will be worth 50 points. The lowest quiz score will be dropped. You must take quizzes with your respective TA only and during the discussion period in which you are registered.
- Exams:** **Three** mid-semester exams will be administered at night (8:15-10:10 pm) during the course of the semester on **T Sep 20, R Oct 27, and W Nov 30**. One of the three mid-semester exams will be dropped, but the final exam is mandatory and may not be dropped. The final exam is cumulative. The final exam is scheduled on **M Dec 12** and this date is non-negotiable. Students are required to present their gator1 card during exam.
- Make-up Policy:** There will be **NO** make-up exams or quizzes. A missed exam or quiz will be the one dropped.

- Calculators:** Only non-programmable calculators are permitted.
- Cell Phones:** Cell phones **must** be turned **OFF** during lectures, discussions, and exams.
- Grading:** The final letter grade will be based on a total of 800 points. Point ranges are fixed and will **NOT** be curved.

Exam 1, 2, and 3 (1 drop)	400
Quizzes 1-4 (1 drop)	150
<u>Final Exam</u>	<u>250</u>
Total	800

800-700 A, 699-660 A-, 659-629 B+, 628-598 B, 597-567 B-, 566-536 C+,
535-505 C, 504-474 C-, 473-443 D+, 442-412 D, 411-382 D-, 381-0 E

- Sakai Postings:** Suggested problems and homework solutions, exam and quiz scores, exam and quiz answers and solutions will be posted. Each student should check their Sakai account frequently since exam rooms will also be posted in Sakai. Do not email the instructor and TAs within Sakai. Use the email listed above on this syllabus. All registered students will automatically have access to Sakai using their Gatorlink ID.

- Course Topics:** Chapter 17 Equilibrium: The extent of Chemical reactions
Chapter 18 Acid-Base Equilibria
Chapter 19 Ionic Equilibria in Aqueous Systems
Chapter 20 Thermodynamics: Entropy, Free Energy, and the Direction of Chemical Reactions
Chapter 21 Electrochemistry: Chemical Change and Electrical Work
Chapter 22 The Transition Elements and their Coordination Compounds
Special Topics (if time permits)

- Key Dates:** Quiz: T Sep13, T Oct 11, T Nov15, T Dec6
Exam: T Sep 20, R Oct 27, WNov30 M Dec12 (Final)
Class Begin: Aug 22nd, Last Class: Dec 7th
No Class: M Sep5, F Nov4, FNov11, FNov25

***CUMULATIVE FINAL EXAM MONDAY, DECEMBER 12 3:00-5:00 pm**

Other Information:

Honor Code: <http://www.chem.ufl.edu/~itl/honor.html>
Disabilities: <http://www.chem.ufl.edu/~itl/disabilities.html>
Counseling: <http://www.chem.ufl.edu/~itl/counseling.html>

- Disclaimer:** The above course information is tentative and subject to change. The instructor reserves the right to make corrections, additions, and/or deletions as the semester progresses. Syllabus corrections will be announced as they occur.