

SYLLABUS
CHEMISTRY FUNDAMENTALS 1B (2nd Semester)
CHM 2041 Spring 2014

Professor: Dr. Andrew Frazer

Office: Chemistry Building, Room 331
Phone: (407)823-0003 or 407-823-2246 (Chemistry Office)
E-mail: AFrazer@mail.ucf.edu
Office hours: Tuesdays and Thursdays 8:00-10:00AM, *By appointment only!*

Meeting Times: Class: 9:30 - 10:20AM M, W, F Building CSB, Room 0101

Prerequisites: CHM 2040 or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C.

COURSE DESCRIPTION: *Credits: 3* - To provide you with an understanding of the basic topics which will include, but not be restricted to the Atomic structure, Periodicity, Chemical Bonding, States of Matter and Gases.

REQUIRED MATERIALS:

TEXT; *Nivaldo Tro, Chemistry A Molecular Approach, 3rd Edn* ISBN 0-32-1905446.

ONLINE; *Mastering Chemistry Online assessment tool found at*

MasteringChemistry.com, Course Code MCFRAZER2041B1

GRADING POLICY

	<u>Points</u>	<u>Grading Scale</u>
4 Tests	400	90-100% = A
Final	200	80-89% = B
Mastering Chem. (Online Assessment)	150	70-79% = C
		below 70% = NC
Total Possible Points =		750

Final exam schedule Friday, April 25th, 2014; 7:00 AM – 9:50 AM.

TESTS - Each student must have a clean, flat, **pink NCS Test Form** and the correct pencil. A **student ID** will be required for each test.

Only *non-programmable, scientific calculators* will be allowed. If you do not own one, please make sure to get one for this course, no exceptions.

In the event that you are absent for an exam, the percentage score from your final exam will be substituted for the missed exam. The percentage grade from your final exam will replace your lowest exam grade (if higher) if you have no missed exams. Tests will be given during class time, on the last meeting day of the week (Friday), unless advised otherwise. *There will be no makeup test!*

The Final Exam - is cumulative.

THE KEY TO PASSING AND ENJOYING CHEMISTRY IS TO DO IT EVERY DAY - The University has written guidelines about the time spent on a subject per credit hours. This is the very minimum amount required for the most motivated students! If you do not fall into that category, adjust allotted time accordingly.

Lectures: The purpose of the lectures is to *complement* the assigned reading. You are expected to have read the assigned reading *prior* to lecture. Although many of the major concepts introduced within the text will be discussed in class, some material will not be discussed explicitly. However, you are responsible for all the material contained within the assigned reading. You will also be responsible for the additional material presented in these lectures.

CHM 2041 (Section 0001) TENTATIVE SCHEDULE (Spring 14)

Week	COMPETENCIES
1: Jan 6-10	1: Gases Chapter 5
2: Jan 13-17	1: Gases Chapter 5
3: Jan 20-24	2: Quantum Mechanical Model of the Atom Chapter 7
4: Jan 27-31	2: Quantum Mechanical Model of the Atom Chapter 7 Test 1
5: Feb 3-7	3: Periodic Properties of the Elements Chapter 8
6: Feb 10- 14	3: Periodic Properties of the Elements Chapter 8
7: Feb 17-21	4: Chemical Bonding I: The Lewis Model Chapter 9
8: Feb 24-28	4: Chemical Bonding I: The Lewis Model Chapter 9 Test 2
9. Mar3-7	Spring Break
10: Mar 10-14	4: Chemical Bonding I: The Lewis Model Chapter 9
11: Mar 17-21	4: Chemical Bonding I: The Lewis Model Chapter 9 and 5: Chemical Bonding II: Molecular Shapes Chapter 10 Test 3
12: Mar 24-28	5: Chemical Bonding II: Valence Bond Theory Chapter 10
13: Mar 31-April 4	5: Chemical Bonding II: Molecular Orbital Theory Chapter 10
14: April 7-11	6: Liquids Solids and Intermolecular Forces Chapter 11 Test 4
15: April 14-18	6: Liquids Solids and Intermolecular Forces Chapter 11
April 21 st	Revision
April 25 th	7:00 AM - 9:50 AM FINAL EXAM

DROPS AND INCOMPLETES

It is the student's responsibility to know the final deadlines and procedures for payments, drop and withdrawal to receive either a 100% refund or a grade of W.

ACADEMIC HONESTY

Plagiarism is claiming as your own a paper, report, article, or speech which in whole or in part was prepared by someone other than yourself. Cheating on an exam is also a violation of this policy. A violation of this policy can result in failure of an assignment, the entire course, or your current status as an active student. Each student is expected to be in compliance with the college policy on academic honesty as stated in the Student Handbook.

CLASSROOM CONDUCT

Activities which disrupt the learning environment of the classroom violate the Student Code of Classroom Conduct. Faculty members are authorized to DEFINE and ENFORCE appropriate standards of decorum and may initiate personal conferences, verbal and written warnings, and removal from the classroom by Security pending disciplinary action. Examples of disruptive or distracting activities include, but are not limited to: (1) activities inconsistent with commonly accepted classroom behavior that are not conducive to the learning process such as tardiness, leaving and returning to class, and early departure without previous authorization, (2) side discussions which are irrelevant to the subject matter of the class, that distract from the learning process, or impede or hinder the ability of other students to obtain the full benefit of the educational presentation, (3) utterances of threats or violence committed against any member or guest of the college community, (4) use of indecent or abusive language, (5) ringing of cellular telephones or beepers during class.

STUDENTS WITH PHYSICAL OR LEARNING DISABILITIES

The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. Students who need accommodations must be registered with Student Disability Services (SDS), Student Resource Center Room 132, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor. Students who are registered with SDS and need accommodations in this course must contact the professor at the beginning of the semester to discuss needed accommodations. No accommodations will be provided until the student has met with the professor to request accommodations. This syllabus is available in alternate formats upon request. The instructor will make his best effort to comply with whatever accommodations the OSD recommends for the student.

Note: the instructor reserves the right to add to and/or change the schedule and other policies and information in the syllabus at any time.