

CHM 1030 Basic Chemistry Concepts and Applications Part I
Fall 2011 – Section 0673

Instructor: Ms. Stacey-Ann Benjamin, Office: CLB 311G
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Course Description: This is the first half in a two part (CHM 1030- 1031) sequence. The course is for non-science majors and presents chemistry from a medical/nursing and life science perspective. Topics include

Atomic structure - Week 1, 2

Chemical bonding – Week 3, 4

Stoichiometry – Week 5, 6

Phases (solids, liquids, and gases) – Week 7, 8

Solutions: Week 9, 10

chemical reactions Week 11, 12

Acids, bases, salts: Week 13, 15

Introduction to nuclear chemistry: Week 16

Prerequisite: High School Algebra

Lectures: M, W, F Period 2 (8:30 – 9:20) in NRN 331.

Office Hours: M Period 3 (9:35 – 10:25 am) and W Periods 7-8 (1:55 – 3:50 pm), or by appointment in CLB 311G.

Teaching Assistant (TA): Mr. Da Wang; Office Hours: Tu Periods 5-6 (11:45 – 1:40 pm) and Th Periods 6-7 (12:50 – 2:45 pm), in Flint 257 (CLC). Email: dawang@chem.ufl.edu

Course Textbook: *General, Organic, and Biological Chemistry*, H. Stephen Stoker; 5th Edition; Brooks Cole; ISBN 9780547152813. The content of this course and suggested homework problems will come from the text.

Calculators: A scientific calculator is required for this course. Graphing and programmable calculators are also permitted and may be used to store mathematical equations. Calculators are allowed during quizzes and exams but may NOT be shared. Cell phones may NOT be used for calculations.

E-Learning: E-Learning in Sakai will be used for course activities such as posting homework problems, quiz and exam grades and solutions, necessary course notes, and important date reminders. E-learning may be accessed using the following website: <https://lss.at.ufl.edu/>. Log in using your GatorLink ID and password. Students are responsible for checking e-learning frequently. Please do not email the instructor in e-learning – use benjamin@chem.ufl.edu for all correspondence.

Attendance: While attendance will not be taken, it is recommended that students attend ALL lectures. Merely reading the textbook from home will not suffice. Recall that your instructor will be the person who writes your quizzes and exams. Knowing concepts emphasized and examples presented in class will prove beneficial for success in the course.

Homework: Chemistry is a course best mastered through constant practice. Homework problems from the end of each chapter will be assigned and posted in e-learning. It is highly suggested that students practice these problems. Feel free to visit your instructor or TA during office hours to work on questions you may need help with. As an added bonus, extra credit of 2 points will be given for worked solutions to the homework problems assigned for each chapter. In order to receive this credit, students MUST turn in homework solutions with their completed exam corresponding to the particular chapter(s) that was tested.

Quizzes: Throughout the semester you will be given five (5) quizzes. Quizzes will be given during regular class time and will last 20 minutes. Each quiz will be worth 50 points and the lowest score will be dropped.

Exams: You will be given four (4) during-the-semester exams which will last the entire class period. These exams will be worth 100 points each and the lowest score will be dropped. Exams will cover material from the textbook, lectures and homework problems covered during the preceding

portion of the course. Your final exam is cumulative, mandatory (final exam grade CANNOT be dropped), and will be worth 100 points.

Important Dates:

Quiz 1 – August 29, 2011	Exam 1 – September 7, 2011
Quiz 2 – September 19, 2011	Exam 2 – September 30, 2011
Quiz 3 – October 14, 2011	Exam 3 – October 26, 2011
Quiz 4 – November 9, 2011	Exam 4 – November 21, 2011
Quiz 4 – December 5, 2011	Final Exam – TBA

**There will be NO class on the following days:

September 5, November 4, November 23, and November 25.

Course point breakdown:

4 during-the-semester exams (1 drop)	300
5 in class quizzes (1 drop)	100
Final exam (mandatory)	100
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Total	500

Grading values: Your final letter grade in this course will be based on a 500 point tally system. Point ranges are fixed and will NOT be curved.

A 450 – 500	A- 449 – 429	B+ 428 – 408	B 407 – 387	B- 386 – 366
C+ 365 – 345	C 344 – 324	C- 323 – 303	D+ 302 – 282	D 281 – 261
D- 260 – 240	E < 240 (Fail)			

*** The last day to withdraw from a course with a “W” is Monday, November 21st.

Grade Change and Make-up Policies: If you suspect there was an error in the grading of an exam or quiz, it is your responsibility to notify the lecturer in person or via email within one week of its return for consideration. No considerations or changes will be made after this period even if you pick up your graded quiz or exam late. There will be NO make-up quizzes or exams given. Plan your schedule so as not to miss a quiz or exam, but if you must, it will be counted as your dropped score.

CLC Hours: Help with coursework is offered for students at the Chemistry Learning Center (CLC) located in Flint Hall 257. TAs are available during normal business hours, Monday to Friday and will be willing to assist with topics in this course you may be having trouble with. You are encouraged to take full advantage of this resource.

Academic Honesty: Students are expected to be familiar with, and adhere to UF’s honor code and academic honesty policies (<http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php>). Any incidents of cheating and/or plagiarism will be taken seriously and will be dealt with in the strictest manner.

Other Information: Please visit the following websites should you need some assistance.

Disabilities: <http://www.dso.ufl.edu/drc/>

Counseling: <http://www.dso.ufl.edu/supportservices/campuscounseling.php>

Courtesies: Be reminded that this is a college-level course and students are expected to act accordingly. Please refrain from speaking in class (except when speaking to the lecturer), texting or talking on cell phones. Please be respectful to your lecturer and TA and they will be respectful to you.

*** **Disclaimer:** The instructor reserves the right to make correction, additions and/or deletions to the syllabus as the above information may be subject to change. Students will be informed of such changes.