

**Survey of Chemistry I - Chemistry 1151
Summer 2009**

Instructor: Dr. Carole Brown
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Office Hours: M - Th 2:00-3:00PM and welcome by appointment

Lecture: 11:15 – 12:55 M - Th in 204 Rogers Hall, 3 credit hours

Lab: 3:00 – 6:00 Tu & Th
You must attend your scheduled day/time for both Lab and Lecture

Co-requisites: 1151 Lab must be taken at the same time as this lecture unless you can prove you have already successfully completed this class.

Co-requisites Policy: Although 1151 and 1151L are separate courses with separate grades, you are required to be enrolled in both. These classes are meant to compliment each other and reinforce the ideas presented in both courses.

Textbooks and Required Materials:

Lecture: *General, Organic, and Biochemistry by Denniston, Topping, and Caret; McGraw-Hill, 2007 (ISBN: 978-0-07-351110-8)*

Laboratory: Modular Laboratory Program in Chemistry, ed. H.A. Neidig
***Make sure you get the correct packet
Carbonless-copy producing notebook

General: Non-programmable, single-line or double-line display, calculator with scientific functions (log, ln, 10x, ex, and EE or EXP)

Course Description and Objectives: This course is the first course of a two-semester elementary chemistry sequence. It is intended for students who plan on majoring in allied health discipline. We will examine elements, compounds, chemical reactions, stoichiometry, nomenclature and molecular structure.

Lecture Attendance: REGULAR LECTURE ATTENDANCE IS ESSENTIAL TO YOUR SUCCESS IN THIS CLASS AND IS, THEREFORE, MANDATORY. In accordance with NGCSU policy, a student can be dropped for excessive absenteeism. If absent, you are responsible for determining what assignments, material, etc. you have missed. If NGCSU officially cancels class due to inclement weather, any exam will be postponed until the next class meeting.

Note on Absences and Exam Policy: ANY UNEXCUSED ABSENCE FROM AN EXAM RESULTS IN A ZERO. FOR AN ABSENCE TO BE EXCUSED IT MUST BE DISCUSSED WITH ME IN PERSON AND APPROVED PRIOR TO THE ABSENCE. No additional time will be allotted to those late to any exam. If NGCSU officially cancels class due to inclement weather, any exam will be postponed until the next class meeting.

Class Evaluations:

Class evaluations at NGCSU are now conducted on-line through Banner. Evaluation of the class is considered an important component of the course and students will not be permitted to access their course grade until the evaluation has been completed. The evaluations will be accessible beginning one week prior to Final Exam week.

1151 Grading:

Exam 1	20%
Exam 2	20%
Exam 3	20%
Homework	20%
Comprehensive Final Exam	20%

Exams: MAKEUP EXAMS ARE GIVEN ONLY BY PREVIOUS CONSENT.
No additional time will be allotted to those late to any exam

Disabilities: NGCSU is committed to equal access to its programs, services, and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the instructor and the office of Student Disability Resources. Please contact Ms. Elizabeth McIntosh, Coordinator, at 867-2782 in 122 Barnes Hall.

Early Intervention Program (EIP): As your teacher, I am committed to your academic success, not only in this class, but at this university. If I feel you would benefit from some of the special services available to students, I will make the appropriate referral. I will expect to comply with the referral and take advantage of the services offered.

Calculators: Calculators must be non-programmable and generally have a single-line display. The calculator must have scientific functions – such as log, ln, and EXP or EE. ALL OTHER TYPES OF CALCULATORS ARE PROHIBITED AND WILL BE CONFISCATED FOR THE DURATION OF THE TEST IF USED. There will be no passing or sharing of the calculators

Cell Phones: Use of your cell phone during lab, lecture, or exam is strictly prohibited. Cell phones are not valid calculators for any exam, nor appropriate time pieces. Any important call to be received by a student during class must be cleared with me in **ADVANCE**. If I detect a cell phone in use in any way during the 50-minute lecture or examination period, I will issue (and record for my records) one verbal warning. After that time, I will penalize your final grade in the class according to the following scheme: 1st infraction = warning; 2nd infraction = 10 %; 3rd infraction = 20 %; 4th infraction = 40 %, etc. Turn your cell phones off.

Cheating and Plagiarism: Any attempt at cheating or plagiarism will not be tolerated and will result in being failed in the course, reported to the V.P. for Academic affairs, the Dean of Students and the Academic Integrity Council, which may ultimately result in suspension or expulsion. See the Academic Integrity section below.

Academic Integrity: Students are encouraged to work together on homework and labs. I have found working in small groups beneficial to increased comprehension of the material. THE NGCSU integrity code is: *“On my honor, I will not lie, cheat, steal, plagiarize, evade the truth or tolerate those who do.”*

ANY VIOLATION OF ANY OF THESE RULES, LIKE CHEATING OR PLAGARIZISM, WILL RESULT IN BEING FAILED IN THE COURSE, REPORTED TO THE V.P. FOR ACADEMIC AFFAIRS, THE DEAN OF STUDENTS AND THE ACADEMIC INTEGRITY COUNCIL, WHICH MAY ULTIMATELY RESULT IN SUSPENSION OR EXPULSION.

Homework Assignments:

For every chapter you should: Read the chapter & Do all the sample exercises as you read.

Chapter 1	Ch 1 Homework 1	16, 38, 40, 42, 44	Due 6/23/2009
	Ch 1 Homework 2	52, 54, 58, 64, 66	Due 6/24/2009
	Ch 1 Homework 3	68, 72, 76, 82, 86	Due 6/25/2009
Chapter 2	Ch 2 Homework 1	16, 20, 46, 92, 94	Due 6/29/2009
	Ch 2 Homework 2	64, 72, 80, 84, 90	Due 6/30/2009
Chapter 3	Ch 3 Homework 1	16, 20, 28, 32, 36	Due 7/1/2009
	Ch 3 Homework 2	38, 40, 42, 44, 48	Due 7/2/2009
	Ch 3 Homework 3	64, 66, 76, 84, 86	Due 7/6/2009
Chapter 4	Ch 4 Homework 1	12, 22, 26, 32, 34	Due 7/7/2009
	Ch 4 Homework 2	44, 52, 60, 62, 64	Due 7/8/2009
	Ch 4 Homework 3	66, 74, 82, 84, 88	Due 7/9/2009
Chapter 5	Ch 5 Homework 1	24, 32, 34, 40, 48	Due 7/13/2009
	Ch 5 Homework 2	52, 58, 60, 62, 70	Due 7/14/2009
	Ch 5 Homework 3	74, 76, 82, 84, 86	Due 7/15/2009
Chapter 6	Ch 6 Homework 1	60, 34, 36, 38, 40	Due 7/16/2009
	Ch 6 Homework 2	60, 62, 66, 68, 78	Due 7/20/2009
Chapter 7	Ch 7 Homework 1	40, 50, 52, 62, 68	Due 7/21/2009
	Ch 7 Homework 2	74, 76, 78, 80, 88	Due 7/22/2009
Chapter 8	Ch 8 Homework 1	22, 24, 28, 34, 38	Due 7/23/2009
	Ch 8 Homework 2	44, 48, 50, 68, 72	Due 7/27/2009
	Ch 8 Homework 3	76, 86, 90, 92, 96	Due 7/28/2009
Chapter 9	Ch 9 Homework	24, 56, 74, 94, 96	Due 7/29/2009

1151 Tentative Lecture Schedule (NOTICE: Subject To Change)

Date	Topic	Homework Due	Reading Pages
6/22	Introduction Chapter 1 – Chemistry: Methods and Measurement		1-39
6/23	Chapter 1 – Chemistry: Methods and Measurement Drop/Add ends at 5pm	Chapter 1 Homework 1	1-39
6/24	Chapter 2 – The Structure of the Atom & the Periodic Table	Chapter 1 Homework 2	41-80
6/25	Chapter 2 – The Structure of the Atom & the Periodic Table	Chapter 1 Homework 3	41-80
6/29	Chapter 3 – Structure & Properties of Ionic & Covalent Compounds	Chapter 2 Homework 1	81-121
6/30	Chapter 3 – Structure & Properties of Ionic & Covalent Compounds	Chapter 2 Homework 2	81-121
7/1	Exam 1 (Chapters 1 & 2 & 3)	Chapter 3 Homework 1	
7/2	Chapter 4 – Calculations and the Chemical Equation	Chapter 3 Homework 2	123-158
7/6	Chapter 4 – Calculations and the Chemical Equation	Chapter 3 Homework 3	123-158
7/7	Chapter 4 – Calculations and the Chemical Equation Chapter 5 – States of Matter: Gases, Liquids, & Solids	Chapter 4 Homework 1	123-158 159-184
7/8	Chapter 5 – States of Matter: Gases, Liquids, & Solids	Chapter 4 Homework 2	159-184
7/9	Chapter 5 – States of Matter: Gases, Liquids, & Solids Last Day to Drop with a W by 5pm	Chapter 4 Homework 3	159-184
7/13	Chapter 5 – States of Matter: Gases, Liquids, & Solids Chapter 6 – Solutions	Chapter 5 Homework 1	159-184 185-215
7/14	Chapter 6 – Solutions	Chapter 5 Homework 2	185-215
7/15	Chapter 6 – Solutions	Chapter 5 Homework 3	185-215
7/16	Exam 2 (Chapters 4 & 5 & 6)	Chapter 6 Homework 1	
7/20	Chapter 7 – Energy, Rate, & Equilibrium	Chapter 6 Homework 2	217-250
7/21	Chapter 7 – Energy, Rate, & Equilibrium	Chapter 7 Homework 1	217-250
7/22	Chapter 8 – Acids & Bases & Oxidation-Reduction	Chapter 7 Homework 2	251-289
7/23	Chapter 8 – Acids & Bases & Oxidation-Reduction	Chapter 8 Homework 1	251-289
7/27	Chapter 9 – The Nucleus, Radioactivity, & Nuclear Medicine	Chapter 8 Homework 2	291-317
7/28	Chapter 9 – The Nucleus, Radioactivity, & Nuclear Medicine	Chapter 8 Homework 3	291-317
7/29	Exam 3 (Chapters 7 & 8 & 9)	Chapter 9 Homework	
7/30	Review for the Final		
7/31	Final Exam – 11:20-1:20pm		