

**CHM 152: GENERAL CHEMISTRY II**  
**Department of Chemistry and Biochemistry**  
**Northern Arizona University**  
**Spring 2009**

**Course Website:**  
**<http://jan.ucc.nau.edu/~jlb565/courses.html>**

**Instructor:** Dr. Jack Barbera  
**E-mail:** jack.barbera@nau.edu

**Office:** Bldg 20 (Chemistry): Rm 318

**Phone:** 523-7072

<u>Section</u>	<u>Class No.</u>	<u>Time</u>	<u>Room</u>
3	5224	MWF 11:30 a.m.–12:20 p.m.	Bldg 20 (chemistry Bldg.)–106
4	6376	MWF 12:40 p.m.–1:30 p.m.	Bldg 20 (chemistry Bldg.)–106

**Office Hours:**

Tuesday 11:00 a.m. - 12:00 p.m. and Thursday 2:00 p.m. - 4:00 p.m., Chemistry, Room 318  
or BY APPOINTMENT

**Recitation Sessions:**

Wednesday, 3:00-3:50 p.m., Room 225, Bldg. 20 (Chemistry Bldg.), Class No.: 6412 (Section 4)  
Thursday, 4:10-5:00 p.m., Room 106, Bldg. 20 (Chemistry Bldg.), Class No.: 5246 (Section 3)

**Prerequisites:**

Chemistry 151  
Math 102X or equivalent

**Required Course Materials:**

*Chemistry*, Raymond Chang; McGraw Hill, 9th edition (2007)  
ARIS Electronic Homework System Account (see info sheet)  
E-instruction response pad (clicker) (see info sheet)

**Reading:**

It is of utmost importance that you read the text as assigned. The lectures alone will not suffice. Reading assignments will be handed out weekly. It is in your best interest to READ BEFORE EACH LECTURE. **EVERY MONDAY, your in-class (clicker) questions may be pulled from the readings.**

**Time Expectations:**

The typical student will need to spend 2 hours studying for every hour in class. **That amounts to an average of 6 hours of studying each week for a 3-credit class.** This number will vary depending on ability, and the material covered that week. Weeks with exams will require more study time. You should organize your schedule to study in small time blocks (approx. 1 hour each) throughout the week, particularly focusing on reviewing material immediately following lecture. **Studying in groups is highly recommended.** Homework that relates to material covered in a particular lecture should be completed as soon as possible. It is not recommended to study in one huge time block or to complete the homework in one long session shortly before the deadline.

**Supplemental Instruction:**

The SI program is designed to provide academic assistance to all students in various courses on this campus. The SI for this section (along with their help session hours) will be announced and posted.

**Notes:**

1. You may drop a course through the ninth week of the semester with the approval of your academic advisor. If you drop a course through the fourth week, the course is deleted from your permanent record; between the fourth and ninth weeks, a grade of W (withdrawal) is recorded. The university deadline to drop with a "W" is Friday, March 13<sup>th</sup>.
2. Remember, a drop/add is not complete until it has been processed through the Registrar's office.

**GRADING POLICY**

**Homework:** There will be **eleven (11)** ARIS homework assignments. Homework assignments will be given **each week** and are due by **10am on Friday**.

**Quizzes:** There will be **eleven (11)** quizzes, given **every** Friday.

**Make-up Quizzes: There are none.**

**Class Participation:** In **ALL** class meetings, questions will be posed in which you will respond using the class response system. A total of 150 points (15% of your final grade) will be issued to encourage participation. You will be given 50% for a wrong answer and 100% for a correct answer. At the end of the semester I will total your percentage out of the 150 points available.

**Exams:** Three 50 minute exams will be given *in class*.

**Exam dates: February 13<sup>th</sup>, March 13<sup>th</sup>, April 17<sup>th</sup>**

**Make-up Exams: I do NOT give make-up Exams!** Institutional excuses and **documentable illness** will be considered on an individual basis. If an absence was for illness, family emergency, religious holiday, or institutional excuse **AND** the instructor was notified **BEFORE** the absence, then arrangements will be made.

**Final Exam:** The final exam is scheduled from 10:00 a.m. to 12:00 p.m. on **Tuesday, May 5th**. The final exam will be multiple-choice format and will be comprehensive.

**Grading Scale:**

			<u>% of grade</u>
Quizzes	(10 × 20 pts each)	200 pts	20%
Homework	(10 × 20 pts each)	200 pts	20%
Clicker	(no set value each)	150 pts	15%
Exams	(3 × 100 pts each)	300 pts	30%
Final Exam		<u>150 pts</u>	15%
		1000 pts	

A ≥ 90%, B ≥ 80%, C ≥ 65%, D ≥ 50%, F < 50%

# **IMPORTANT THINGS YOU NEED TO DO DURING THE FIRST WEEK OF THIS COURSE!!!!!!!**

## **1. REGISTER your CLICKER and SIGN INTO my class:**

1) Go to **www.einstruction.com**

2) Create an account, NOTE: your clicker serial number can be found by turning the clicker ON, the serial number will appear on the screen.

3) Enroll in THIS class, to do this you will need one of the following CLASS KEYS

If you are in **Section 3** (11:30 AM) then enter: **I45999L516**

If you are in **Section 4** (12:40 PM) then enter: **N46000H848**

Please be sure you sign in to the correct section!!

4) You will need to pay **\$13.00** to complete your registration.

5) You **MUST** have your clicker signed into the appropriate class by **Wednesday January 21st** or you will not receive points.

## **2. REGISTER for ON-LINE Homework (ARIS):**

**If you were NOT in chm151 with Dr. Barbera, Cruickshank, or VandenPlas:**

1) Your text book (see note below) should come with a registration card (and **REGISTRATION CODE**); this card will tell you the correct web address for registration.

2) Once you establish an ARIS account you need to sign into the correct section of the course using one of the following **ENROLLMENT CODES**:

If you are in **Section 3** (11:30 AM) then enter: **977-A3-43D**

If you are in **Section 4** (12:40 PM) then enter: **F48-77-FFB**

3) NOTE: the registration card is only part of the text book IF YOU BUY YOUR BOOK FROM THE NAU BOOKSTORE. You may purchase your book from any other store or on-line outlet, however, you will have to purchase your ARIS registration code separately for an additional \$35.00. If you need to purchase an **ARIS registration code** you can go to:

<http://www.mhhe.com/arisHome/index.php>

Make sure you select "Chemistry" as the subject and then "Chang, Chemistry, 9e" under the book pull-down.

You can find **other sources for text purchases** at:

<http://jan.ucc.nau.edu/~wahi/bookinfo.html>

**If you WERE in chm151 with Dr. Barbera, Cruickshank, or VandenPlas:**

1) Log into ARIS using your existing user ID and Password.

2) Click the "Course Management" tab on the upper tool-bar.

3) Enter the appropriate Section Code from above.