

FALL 2016 – GENERAL CHEMISTRY 210-0002 (3964)

Co-requisite: CHEM 212 - General Chemistry Laboratory I

**Principal Instructor** – Prof. Narayan S. Hosmane, FR 305, 753-3556 [hosmane@niu.edu](mailto:hosmane@niu.edu) (short e-mail questions)

**Co-Instructors:** Prof. Chong Zheng, LAT 326, 753-6871 [czheng@niu.edu](mailto:czheng@niu.edu)

**Recitation TA:** Brian Muller, FR 337 [bmuller1@niu.edu](mailto:bmuller1@niu.edu) (Office Hours: Monday and Friday, 10 – 11 AM)

**Lectures:** MWF, 11:00 –11:50 AM in Faraday Hall 143

**Office Hours** – Tu and Th, 1:00 - 2:30 PM, or by appointment

**Required Textbook:** "General Chemistry - Atoms First", by McMurry and Fay, 2<sup>rd</sup> Edition (Pearson: 2014).

**Recommended Textbooks:** "General Chemistry: Nature's Mystery", by Narayan Hosmane, (Cognella/University Readers, 2016)

## Exams, Assignments, Quizzes and Grading

**Exams** - Tentative dates for 100-points hourly exams are indicated below in the lecture schedule. Make-up exams will **NOT** be given **under any circumstances**. Missed Exam will be considered as one of the lowest exam grades. However, one of the lowest exam grades will be replaced by Online Homework grade that is **mandatory**!

**Surprise Quizzes (Pop Quizzes)** – Surprise quizzes (believe me you will be surprised!) for a TOTAL 100 points (worth a grade of ONE exam) will be given **during the lecture and/or the recitation hours**. However, only **BEST TEN** quiz grades will be counted toward your FINAL GRADE. There will be **ABSOLUTELY no** make-up quizzes. **Exam and Quiz Grades will not be curved!**

**Online Homework and Self-Assessment through WebAssign is mandatory (100 Points)**

**Total points = 600 points** (best **two** hourly exams = 200; surprise quizzes = 100; WebAssign = 100; final exam = 200)

**Grading scale:** A > 90% (540 pts.), B > 80% (480 pts.), C > 70% (420 pts.), D > 60% (360 pts.), F < 60%

## TENTATIVE LECTURE SCHEDULE

WEEK	CHAPTER/TOPIC	Exams Dates
01. August 22	Chapter 0: Chemical Tools: Experimentation and Measurements	
02. August 29	Ch. 1: The Structure and Stability of Atoms	
03. <b>September 05</b>	<b>Monday: Labor Day</b>	<b>No Class</b>
04. September 06	Ch. 2: Periodicity and the Electronic Structure of Atoms	
05. September 12	Ch. 2: Continued; Ch. 3: Atoms and Ionic Bonds	
06. September 19	Ch. 3: Continued.	
07. September 26	Ch. 4: Atoms and Covalent Bonds	
08. October 03	Ch. 4: Continued; <b>Exam 1 is on Friday, September 23, 2016</b>	<b>Exam 1 (9/23)</b>
09. October 10	Ch. 5: Covalent Bonds and Molecular Structure	
10. October 17	Ch. 5 Continued; Ch. 6: Chemical Arithmetic: Stoichiometry	
11. October 24	Ch. 6: Continued.	
12. October 31	Ch. 7: Reactions in Aqueous Solution; <b>Exam 2 is on Friday , October 28, 2016</b>	<b>Exam 2 (10/28)</b>
13. November 07	Ch. 7: Continued.	
14. November 14	Ch. 8: Thermochemistry: Chemical Energy	
15. November 21	Ch. 9: Gases: Their Properties and Behavior	
16. <b>November 23-27</b>	<b>Thanksgiving Holidays</b>	<b>No Classes</b>
17. November 28	Ch.9: Gases: Continued. <b>Exam 3 is on Monday, November 28, 2015</b>	<b>Exam 3 (11/28)</b>
18. <b>December 07</b>	<b>FINAL EXAM IS ON WEDNESDAY FROM 10:00 AM – 11:50 PM (Faraday Hall 143)</b>	<b>Final Exam (12/7)</b>

**Tutors and Lab TA Office Hours:** The Department of Chemistry and Biochemistry maintains a free Tutor Room for General Chemistry students. The Tutor Room is in Faraday 247 and is staffed Monday through Thursday from 8:30 AM to 3:30 PM with a lunch break. On Fridays, the Tutor Room closes at 2:30 PM. General Chemistry laboratory TA office hours are held in Faraday 412 (Penthouse). The laboratory TA office hour schedule is posted outside Faraday 412, and at the departmental stockroom window. Students are also encouraged to ask laboratory TAs for assistance in understanding the lecture material.

**Paid Tutors** - Names of tutors for hire are available: see Linda Davis in FR 319 (departmental office).

## Getting Started with WebAssign

- **Your Recitation TA will discuss your Homework Assignments, Surprise Quizzes etc, on your First Recitation Session on Wednesday.**
- **The specific instructions for the WebAssign is appended in this file.**

## RESTRICTIONS ON USE OF CELL (MOBILE) PHONES, WiFi, INTERNET, LAPTOPS AND iPADS IN CLASSROOMS:

- Use of Cell (Mobile) Phone during the class hours is strictly prohibited. If you are caught of using cell phone or receiving any live text and/or e-mail messages, your cell phone or laptop and/or iPad will be confiscated. Therefore, your cell phone or laptop/iPad must be either switched off or on AIRPLANE (SILENT) MODE. Therefore, you must carry a separate ordinary calculator that MUST NOT be connected to Internet through WiFi or any telephone network! Your Internet entertainment will be a distraction for others!

## HOMEWORK ASSIGNMENTS:

- There is no specific homework assigned for this class. However, it is your responsibility to do as much end-of-chapter problems as possible in order to perform well in the pop quizzes, exams and WebAssign. You can check your answers in the solution manual, but the professor of this class will not evaluate and grade your homework problems.

## SPECIAL ACCOMMODATION:

*Any student who may need an accommodation due to a disability, please make an appointment to see me during my office hours, or when convenient. A letter from Disability Support Services authorizing your accommodations is usually needed before accommodations can be granted.*

## STUDENT

# QUICK START GUIDE

This Quick Start Guide provides information to help you start using WebAssign.

## ENROLL

Either your instructor enrolled you in a class and created a WebAssign account for you, or she gave you a class key to enroll yourself and create your own account, if needed.

### I have a class key

1. Go to [webassign.net/login.html](http://webassign.net/login.html) and click **I Have a Class Key**.
2. Enter the class key your instructor gave you and click **Submit**.
3. If the correct class and section is listed, click **Yes, this is my class**.
4. Either provide your existing WebAssign account information or create a new account.
  - Select **I already have a WebAssign account**, enter your account information, and click **Continue**.
  - Select **I need to create a WebAssign account**, enter the requested information, and click **Create My Account**.

### I do not have a class key

You are already enrolled and can log in with your WebAssign account.

## LOG IN

These instructions apply for most schools. Some schools use alternative login sites.

1. Go to [webassign.net/login.html](http://webassign.net/login.html).
2. Type your **Username**, **Institution** code, and **Password**.  
If you did not receive a password, click **Forgot your password** and create a password.
3. Click **Log In**.

**IMPORTANT:** The first time you log in, change your password.

## PURCHASE ACCESS

WebAssign gives you free access for two weeks after the start of class. To continue using WebAssign after that, either enter an access code or purchase access online.

**NOTE:** An Access Code included with some textbooks verifies that you have already purchased WebAssign access.

### I have an access code



1. Verify your access code at [webassign.net/user\\_support/student/cards.html](http://webassign.net/user_support/student/cards.html).
2. Log in to WebAssign.
3. Select **enter an access code**.
4. Select your access code prefix.
5. Enter your access code and click **Continue**.

### I do not have an access code

1. Log in to WebAssign.
2. Select **purchase access online** and click **Continue**.
3. Select items to purchase, confirm any license agreements, and click **Enter payment information**.
4. Provide your payment and contact information to PayPal and click **Continue**.
5. Review your order and click **Complete purchase**.
6. Close your receipt and start working in WebAssign.

## LEARN

Your current assignments are listed on the **Home** page for each class.

1. Click the assignment name.
2. Answer the assignment questions.  
WebAssign supports many different question types. Some questions display a tools palette or open in a new window.
3. Submit your answers.
4. Review your marks and feedback.  
Usually you will see  or  for each answer.
5. Change your incorrect answers and submit again.
6. When you are done, always click **Log out**.

## SYSTEM REQUIREMENTS

WebAssign is tested and supported for the following Web browsers:


**Mozilla® Firefox® (38+)**  
Windows®, Mac® OS X, Linux®  
**Internet Explorer® /**  
**Microsoft® Edge (11+)**  
Windows  
**Google® Chrome™ (44+)**  
Windows, Mac OS X  
**Apple® Safari® (8+)**  
Mac OS X, iOS 8 or later on iPad®

## BROWSER SETTINGS

Configure the following settings in your Web browser.

- Allow cookies and pop-up windows from [webassign.net](http://webassign.net).
- If you are accessing WebAssign from Blackboard®, accept third-party cookies.
- Do not allow your browser to store your WebAssign password.

## CUSTOMER SUPPORT

**HELP:** From the application, click .

**ONLINE:** [webassign.com/support-request](http://webassign.com/support-request)

**CALL:** (800) 955-8275

The WebAssign Customer Support staff **CANNOT**:

- change your username or password
- give extensions
- change your score
- give you extra submissions
- help you with the content of assignments
- resolve problems with PayPal payments

## PAYPAL SUPPORT

**ONLINE:** [paypal.com](http://paypal.com)

**CALL:** (402) 935-2050

## MORE INFORMATION

Search the online help for answers to most questions:  
[webassign.net/manual/student\\_guide/](http://webassign.net/manual/student_guide/)