

SYLLABUS
THE UNIVERSITY OF TEXAS AT EL PASO
CHEMISTRY 1407, CN 27129/23813
INTRODUCTORY CHEMISTRY
Spring, 2014: TR 10:30AM-11:50AM
PHYS 208

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Office Hours: MTWRF 9:30AM - 10:30AM

Textbook: *General, Organic and Biological Chemistry, "Structures of Life"*,
Timberlake, UTEP Ed.

NATURE OF THE COURSE

This is the first semester of Introductory Chemistry, an introduction to chemistry for nonmajors and prehealth students. The laboratory is an integral part of the course and must be taken at the same time. Math 3011, Intermediate Algebra, is a prerequisite that may be taken concurrently.

MATERIAL COVERED

Chapters 1 - 10 of the text will be covered but not all of the topics will receive the same emphasis. After passing this course you should be able to use the concepts of chemical nomenclature, atomic and molecular theory, stoichiometry, gas laws, pH, chemical equilibrium, kinetic theory, oxidation/reduction reactions and nuclear chemistry. You should be able to think analytically and critically in solving fundamental problems. A basic skill in algebra is essential.

EXAMS and GRADES

There will be four unit exams and a final exam . There will be no makeup exams. **You cannot pass the course without taking the Final Exam.** You will need a calculator for these exams, preferably one with a logarithm key but no other electronic equipment, including cell phones, iPods or laptops are permitted in the exam. If you have them with you, they must be kept in a bag and turned off. Caps and hats cannot be worn during exams.

Short quizzes consisting of a single question will be administered in each class period. **Online homework on Mastering Chemistry** will be assigned for each chapter and due the morning of the unit test. The scores on this homework will be added to the scores of the daily quizzes. The average of the quizzes plus homework will be a single score. Of the five scores consisting of this score plus the four unit tests, the three highest will count sixty percent of your grade. The final exam will count 30% and the laboratory will count 10% of the course grade.

Best three of four exam scores and homework/quiz score:	60%
Final comprehensive exam:	30%
Laboratory:	<u>10%</u>
Total:	100%

Anyone making 90% or better on the total score will receive an A, 80% or better, at least a B, and so forth. There may be a curve but only if the final class average falls much below 70%.

MASTERING CHEMISTRY

The procedure for accessing the online Mastering Chemistry to do the homework is described in the last two pages. Both pages give the same information but in somewhat different style. The course ID is **MCELLZEY89065**. It is important to get an early start on the homework. **Your work will be identified by your student identification number. So be sure it is correct.**

DROP DEADLINE & INCOMPLETES

According to university policy, students may attempt a course at most **three** times, including W's. A grade of C or better cannot be improved by retaking the course. **Grades of incomplete are given rarely and only in the most unusual circumstances. If an incomplete is not changed within one year, it automatically becomes an F. College of Science policy requires that a student sign a contract agreeing to complete the necessary course work by a specific date in order to receive a grade of incomplete.**

CLASSROOM ETIQUETTE

Anything that detracts from the classroom experience should be avoided. Cell phones and beepers must be turned off at the beginning of the period. You may tape the lecture if you ask permission first. Smoking is illegal in university buildings. Eating and drinking is not permitted in class. Tardiness is distracting and is discouraged. Casual coming and going should be avoided. Children should not be brought to the classroom. **Unless there is an emergency, leaving early is permitted only with consent of the instructor which must be obtained before class. Students should not talk to each other while the instructor is lecturing or while other students are asking questions. Cell phones must be off during class.** The Golden Rule is the best guide. If in doubt, check with the instructor.

STUDY SKILLS

Success in college depends on developing good study habits. High intelligence is not necessary for good grades; indeed, any student who has mastered the art of study can almost always make better grades than a brilliant student who is disorganized and unfocused. Good study habits include taking useful (not too extensive) notes, asking questions, mastering the key concepts and applications when introduced and spending adequate time studying outside of class. You should be prepared to spend from two to four hours studying for each class period and you will need to obtain your own copy of the textbook. Notes, returned exams and homework should all be kept in one looseleaf notebook for each course.

ACADEMIC HONESTY

Students are expected to do their own work on exams. Cheating, including using crib notes, copying, etc. will be reported to the Dean of Students and your grades will be put on hold until a ruling is made. If there is sufficient doubt that an exam is your own work, you may take a special exam to verify it. Familiarize your self with the university policies on cheating, plagiarism and academic conduct in <http://academics.utep.edu/Default.aspx?tabid=23785>.

ELECTRONIC DEVICES

Electronic devices such as cell phones, notepad and laptop computers should not be used during lectures except for participation in class and must not be used during exams except where explicitly permitted.

DISABILITY STATEMENT

Students who have or suspect they have disabilities that need accommodation should contact the **Center for Accommodations and Support Services (CASS)** within the first two weeks of the semester. CASS can be reached at (915)747-5148, cass@utep.edu or <http://sa.utep.edu/cass/> The CASS office is Room 106 Union East Building. A student is responsible for presenting to the professor any CASS accommodation letters and instructions.

MILITARY SERVICE

If you are in the military and are called to service and/or training during the course of the semester, you should inform your professor as soon as possible.

RESOLVING GRADE DISPUTES

Course grades are assigned strictly on the basis of the numerical score as described on page 1. No makeup exams are given except for absences on official university business in which case the professor must be advised before the scheduled exam. No extra credit is available.

If you believe that your grade is incorrect you should talk to the professor. If you are not satisfied with this you may make an appointment with the department chair. If this still does not satisfy you, you may file a written complaint with the **Faculty Senate Student Welfare and Grievance Committee**:

http://sa.utep.edu/studentlife/files/2010/11/complaint_form_3_09.pdf

Topics Covered Referred to Text

Chapter 1: Measurements

Chapter 2: Energy and matter

Chapter 3: Atoms and elements

Chapter 4: Nuclear chemistry

Chapter 5: Compounds and their bonds

Chapter 6: Chemical reactions and quantities

Chapter 7: Gases

Chapter 8: Solutions

Chapter 9: Chemical equilibrium

Chapter 10: Acids and bases

LEARNING OUTCOMES AND ASSESSMENTS

The learning outcomes of this course are to understand these concepts and acquire the skills to use them to solve problems. Your mastery of these outcomes will be assessed by your performance on exams and homework.

CHEMISTRY 1407, CN 27129/23813, SPRING, 2014								
	Sunday	Monday	Tuesday	Wednesda	Thursday	Friday	Saturday	
J a n u a r	19	20 M. L. King Day	21 Prologue - Chap. 1	22	23 Chap. 1	24	25	
	26	27	28 Chap. 2	29	30 Chap. 2	31	1	
	2	3	4 Chap. 2 - 3	5 Census day	6 Chap. 3	7	8	
F e b r u a r y	9	10	11 Chap. 3	12	13 Test 1	14	15	
	16	17	18 Chap. 4	19	20 Chap. 4 - 5	21	22	
	23	24	25 Chap. 5	26	27 Chap. 5	28	1	
	2	3	4 Chap. 6	5	6 Chap. 6	7	8	
M a r c h	9	10	11 Spring Break		12	13	14	15
	16	17	18 Chap. 6	19	20 Test 2	21	22	
	23	24	25 Chap. 7	26	27 Chap. 7	28	29	
	30	31	1 Chap. 7	2	3 Chap. 8	4*	5	
A p r i l	6	7	8 Chap. 8	9	10 Chap. 8	11	12	
	13	14	15 Test 3	16	17 Chap. 9	18 Spring study day	19	
	20	21	22 Chap. 9	23	24 Chap. 9	25	26	
	27	28	29 Chap. 10	30	1 Chap. 10	2	3	
M a y	4	5	6 Chap. 10	7	8 Test 4	9 Dead Day	10	
	11	12	13	14	15 Final Exam, 10 AM	16	17 Spring Commencement	

* Course drop deadline. Last day to drop with an automatic "W".

Text: *General, Organic and Biological Chemistry, "Structures of Life," vol. 1* UTEP Ed.

MasteringChemistry®

Student Registration

In this course you will be using MasteringChemistry, an online tutorial and homework program.

Note: If you have joined a MasteringChemistry course before with the same textbook, save time by following the guide for joining another course found at www.masteringchemistry.com >Tours & Training> Getting Started> Students

What You Need:

- ✓ **A valid email address**
- ✓ **A student access code**
(Comes in the Student Access Code Card/Kit that may have been packaged with your new textbook or that may be available separately in your school's bookstore. Otherwise, you can purchase access online at www.masteringchemistry.com.) **DO NOT THROW AWAY the card that came in your textbook!**
- ✓ **Your School Zip Code:** 79968
- ✓ **A Course ID:** MCELLZEY89065 (Provided by your instructor.)

1. Register

- Go to www.masteringchemistry.com and click **Students** under **Register**.
- To register using the student access code inside the MasteringChemistry Student Access Code Card/Kit, select **Yes, I have an access code**. Click **Continue**

–OR– *Purchase access online:* Select **No, I need to purchase access online now**. Select your textbook, whether you want access to the eText, and click **Continue**. Follow the on-screen instructions to purchase access using a credit card. (The purchase path includes registration, but the process is a bit different from the steps printed here.) **Be sure to choose the RIGHT version of your textbook!**

- **License Agreement and Privacy Policy:** Click **I Accept** to indicate that you have read and agree to the license agreement and privacy policy.
- Select the appropriate option under “Do you have a Pearson Education account?” (**Yes, No, or Not Sure**)
- Continue to give the requested information until you complete the process. The **Confirmation & Summary** page confirms your registration. This information will also be emailed to you for your records. You can either click **Sign In Now** or return to www.masteringchemistry.com later.

2. Sign In

- Go to www.masteringchemistry.com.
- Enter your Login Name and Password that you specified during registration and click **Sign In**.

3. Join Your Instructor's Online Course and/or Open Self-Study Resources

When you first Sign In, you'll be asked to do one or more of the following:

- **Join a Course** by entering the **MasteringChemistry Course ID** provided by your instructor. If you don't have a Course ID now, you can return to join the MasteringChemistry course later. When you join a course, you may also be asked for a Student ID (if your professor requested this, follow the on-screen instructions).
- If you do not have a Course ID, you can **Explore the Study Area** or **Launch Your eText**, if these resources are available for your textbook.

For a video demo from your Smart Phone, scan here:



For additional support go to:

<http://www.masteringchemistry.com/site/support/faq-students.html>

- System Requirements/Browser suggestions
- Answers to Frequently Asked Questions
- Registration Tips & Tricks video
- Additional contact information for Customer Support, including Live Chat

Get Started with Pearson's MasteringChemistry

First, make sure you have these 3 things...

Email: You'll get some important emails from your instructor at this address.

Course ID: A Course ID looks something like MCprofessor12345. Ask your instructor for your Course ID!

Access code or credit card: The required access code comes either with your book or by itself at your bookstore. Alternatively, you can buy instant access with a credit card or PayPal account during registration.



Next, get registered!

1. Go to www.masteringchemistry.com. Under the large **Register Now** section on the right side of the page, click the **Student** button.
2. Read the onscreen instructions and select your location. Next, check off whether or not you have an **Access Code**. Click **Next**.
3. If you don't have an access code, select your textbook (correct title, author, and edition) and whether you want an eText.
4. You'll then be asked to **Accept** the License Agreement before moving on. After this, either **Create** a new Pearson username/password, or, if you've already registered for another Pearson product (i.e. MyMathLab), enter that username/password. If you have an **Access Code**, enter it on the bottom of the page.
5. On the next page, fill out the appropriate information fields then click **Next**. If you entered an **Access Code**, you will be brought to a page from which you can access your product. If not, enter your payment information so that you can **Purchase Access**, after which you'll be granted access.
6. You are now registered! Now, it's time to enroll in your course. Click **Log In Now**. Once signed in you can: enter your **Course ID** (listed above) and your **Student ID** (if prompted to do so). If you don't have a course ID, you can join a course and launch the eText or study area. That's it!

Need help?

Visit www.masteringchemistry.com for:

- Helpful videos
- Frequently Asked Questions
- Set Up Your Computer

Or visit our 24/7 Technical Support site at <http://247pearsoned.custhelp.com>