

Chemistry 100 - Introductory Chemistry Summer 2017

GENERAL INFORMATION

Instructor: Jeff Bradbury

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Office hours: Tuesdays 1:40-2:40 pm. Web Page: www.Cerritos.edu/jbradbury

TEXTS & MATERIALS:

Lecture: Chemistry Lecture Outline This lecture outline is found online at www.Cerritos.edu/jbradbury Click on Chem. 100 lecture and click on the appropriate unit. It is required that the lecture outline be brought to class each day

Chemistry, Timberlake 12th Edition

Study Guide to Accompany Chemistry*, Timberlake (optional)

Periodic Table of the Elements, VWR Scientific Company

Scientific Calculator: Cell phones will not be permitted to be used as calculators

MasteringChemistry Access Code: This can be purchased online. See Below

Spiral bound Notebook It is expected that you will perform your work and setups for your online homework in a notebook which will be checked periodically in class.

Laboratory: The Chemistry 100 Laboratory Manual is found online at, www.Cerritos.edu/jbradbury

Click on Chem. 100 lab and click on the appropriate experiment. It is required that the lab manual be brought to each lab period. You will not be allowed to perform the experiment without the manual for that experiment.

Safety Goggles: Safety goggles in compliance with ANSI Z87.1-1989, and which have splash protection, as required by California State Law, must be worn at all times in the lab.

Lab Apron

ATTENDANCE: You are expected to attend class regularly and to arrive **on time**. Attendance will be taken by passing a roll sheet around. If you are late, you are expected to enter the classroom silently, and take the first available seat. If you are late, sign the roll sheet and pick up handouts during the break or after class.

WITHDRAWAL: If you find it necessary to drop the course, do not just stop attending class. In order to drop the course and receive a "W" grade, you must proceed as follows:

1. Check out of the laboratory. This **must** be done at your regularly scheduled lab time or by appointment with your lab instructor.

If you miss three consecutive class meetings I may drop you from the course. However, you are still responsible for checking out of the laboratory. If you fail to check out, your records may be placed on administrative hold.

TELECOMMUNICATIONS DEVICES: If you choose to bring a pager or cellular telephone into the classroom, please be certain that it is turned off. **No texting, photography, video or audio recording is allowed in the chemistry lecture or laboratory rooms without permission from the professor. You may be asked to leave the classroom for doing these things.** It is human nature to get distracted at times. Chemistry takes much mental focus. Research has shown that even the sight of a smart phone in the room can cause distraction and a decrease in learning. Please keep your cell phones out of sight.

Succeeding in Chemistry: Chemistry is like many other skills. You have to 1) understand the basic concepts and ideas and 2) practice the skills of chemistry. Some students think it is enough to simply understand the chemistry and not practice it. This is like watching a skilled basketball player and thinking you can just go out and do what they do. It takes practice. Some students get frustrated when they don't completely understand the concepts. Sometimes your understanding grows as you practice. Chemistry requires both understanding and practice.

Communications from your instructor. Your professor will occasionally send important announcements by email. Make sure your email address is up to date and that you check it regularly. If you send an email to your professor please make sure you put your name at the end of the email.

GRADING STRUCTURE:

Hour Examinations: (100 points each) Five one-hour exams will be given. Exam 5 is just an hour exam and is not comprehensive. At the end of the semester the lowest of the first four exam scores will be dropped. Your score on Exam 5 will not be dropped, even if it is the lowest of your five exam scores. Exams are a combination of multiple choice and short answer.

Missed Exams: No make-up exams will be given. You must take each exam at the time and on the date it is scheduled for your class. **NO EXCEPTIONS.** Please note that only tentative exam dates are given in the course outline. If you miss one of the first four exams, this will count as the exam that is dropped. All students must take Exam 5.

Online Homework: (100 points). Online homework through MasteringChemistry is required for this course. In order to learn a subject like chemistry one must practice the skills learned in class. The purpose of online homework is to provide opportunity for practice and receive immediate feedback on your performance and understanding. Late homework will not be accepted however you will still have access to the homework the entire semester for review and practice.

Worksheets: (optional for more practice) Worksheets will be posted on the professor's website. Worksheet keys are available upon request.

Lecture Grade: Your lecture grade will be computed by taking the sum of the points you earned, dividing by the total points possible, and multiplying by 100 to give a percent grade.

Grading Scale: 90 – 100% A 80 – 89% B 70 – 79% C 60 – 69% D

Course Grade: Your grade will be computed as follows: Overall % = (0.75 x lecture %) + (0.25 x lab %) If you fail (average less than 60%) in either the lab or the lecture, you will receive an F in the course.

Cheating: If you cheat in lecture or lab you will receive a zero grade on the assignment and may receive an F in the course. Any time you write a response to a question the thoughts and words must be original to you with the following exception. If you copy a sentence or phrase or if you paraphrase someone else's words you must give reference to the source.

A word from your professor:

I don't know what you feel when you think of taking a chemistry class. It might bring you fear or it might strike you with curiosity. Before I took my first chemistry class, I experienced both fear and curiosity! Chemistry can be a real challenge but also it can open up your understanding of the world in a whole new way. For me, I enjoy life better when I understand what is going on around me. Chemistry does this for me. When I was in college, I was on the track team. One of the events is the hurdles. You have to run as fast as you can and then jump over barriers between you and the finish line. My point is that the race of life has barriers and hurdles. These are not bad things necessarily, but they pose a challenge for our ultimate success. Chemistry is such a hurdle. Interestingly athletes actually choose to run the hurdles for the joy of the challenge. It is my hope that you will enjoy the challenge of chemistry this term. I want to help you finish this race successfully and joyfully. I encourage you to work hard, read the book, study often and practice a lot. I am here to help you. Don't be afraid. You have what it takes. Just reach deep within yourself, ask lots of good questions, be curious and enjoy "the race."

MasteringChemistry[®]

CHEM. 100 - BRADBURY

Student Registration for New Mastering Chemistry Students

In this course you will be using MasteringChemistry[®], an online tutorial and homework program that accompanies your textbook. *If you have joined a MasteringChemistry course before and can still log in:*

Save time by following the guide for joining another course found under the STUDENT heading at www.masteringchemistry.com > *Tours & Training* > *Getting Started* instead of using the steps below.

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.)
- ✓ **The ZIP or other postal code for your school: 90650**
- ✓ **A Course ID: CHEMISTRY100SUMMER2017BRADBURY** (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.

- **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?” 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 **Log In Now** or return to www.masteringchemistry.com later.

2. Log In

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

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

Upon first login, 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 (follow on-screen instructions).
- **Explore the Study Area** or **Launch Your eText**, if these resources are available for your textbook.

To Access MasteringChemistry Again Later

Simply go to www.masteringchemistry.com, enter your Login Name and Password, and click **Log In**.

After you have joined a course: You can open any assignments from the **Assignments Due Soon** area or from the **Assignments** page. For self-study, click **eText** or **Study Area**, if these options are available.

Support

Access Customer Support at <http://www.masteringchemistry.com/support>, where you will find:

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

Chemistry 100 Summer 2017

	Day	Unit	Lecture Topic	Reading Schedule Timberlake 12 th ed. Chapter	Section
May	22	1	Introduction, Metric system, Measurements	1	1.1, 1.2
				2	2.1, 2.4-2.7
				3	3.6
	23	1	Classes and Properties of Matter	3,5	3.1-3.3
	24	1	Types of Change	3	3.2
June	24	2	Kinetic Theory	8	All Sections
	30	2	Energy	3	3.4-3.7
	31	2	Atomic Theory	4	4.1-4.7
	5	2	Chemical Bonding and Naming	6,7	6.2-6.4, 6.6-6.8, 7.1-7.2
	6	3	Solutions	9	All Sections
	7	3	Acids, Bases, Buffers	10	10.1-10.2, 10.4-10.7
	12	3	Types of Reactions	7	7.3,7.4, 7.8
	13	4	Hydrocarbons	11	All sections
	13	4	Classes of Organic Compounds	12	All Sections
	19	4	Organic Reactions	14	All Sections
	20	4	Isomers/Polymers	11	11.3, 11.6
	21	5	Lipids	15	All sections
	26	5	Carbohydrates	13	All sections
	27	5	Proteins/DNA	16, 17	All sections
	28	FINAL EXAM			