

CHEM 10 CHEMISTRY FOR THE LIBERAL ARTS Spring 2012

PREREQUISITE: NONE

NUMBER OF UNITS: 3 TOTAL HOURS OF LECTURE: 54

COURSE INSTRUCTOR: Cliff Gottlieb, Phone: 242-2323. e-mail: cgottlieb@shastacollege.edu

web page <http://www.cliffschemistry.com>.

Office Hours: M F 9 – 10 AM; T 12 – 1 PM W 12 – 2PM; and by at almost any time by appointment to meet your needs in 1412 or in the Science Learning Center, 1626. **Please come and visit;** lots of good stuff happens.

CATALOGUE COURSE DESCRIPTION:

A non-mathematical introduction to the major concepts of chemistry with attention to their relevance to practical and societal problems. This course is intended for non-science majors who wish to gain an appreciation for the application of chemistry to everyday living. The course includes such topics as nuclear energy and energy alternatives; health issues of drugs; food additives, nutrition, hormones; chemicals for household use, chemicals in the environment, and synthetics. This course may include field trips. This course will meet the general education requirement for a laboratory science if it is taken with CHEM 11.

GOVERNING PRINCIPLE: I will use a variety of techniques to provide the environment to help you learn about the information and processes used in all sciences, particularly chemistry, which will allow you to succeed in this class and future classes. **YOU must WORK for your SUCCESS. Practical applications will be emphasized!!! Let's LEARN and have some FUN!!!!**

REQUIRED TEXTS & MATERIALS: The Extraordinary Chemistry of Ordinary Things, 4th ed. by Carl Snyder, ISBN 0471415758
The text as well as many other materials and free tutoring are available in the Science Learning Center, room 1626.

CLASSROOM PROCEDURES

You are expected to attend lecture. If you miss 8 lectures you will be dropped from the class unless prior arrangements have been made or you have a unique situation. Come prepared to ask questions and otherwise participate in class. I will suggest practice problems from the text. Periodically, assignments will be collected, quizzes given, and videos evaluated. You cannot make up quizzes.

METHODS OF EVALUATION/GRADING SCALE:

Each of you has the innate ability to earn an "A". I hope that each of you will **work to achieve an "A"!!**

1. 400 points for exams. Four exams are 100 points each. There is no cumulative final
2. 100 points for 8 quizzes, 3 assignments and 1 discussion with no replies. Each of these are worth 10 points. There are 12 of them. So two of them are for extra credit, your choice. So it is possible to earn up to 120 points out of 100 points possible.
3. 100 points Classroom discussions will count for 100 points. There will be 7 discussion topics on which you must post your thoughts on the class discussion board and make 2 replies to your classmates' posts. Each original post is worth 10 points. Your two replies are worth 5 points total. One set of two replies is extra credit. So it is possible to earn 105 points out of 100 points.
4. There are three optional extra credit quizzes that involve topics that use some more involved algebra math skills. These topics are optional. You can earn up to 15 points for each of these quizzes. Any points earned on these quizzes on optional topics will be added to your total course points as extra credit. They cannot hurt your grade.
5. Classroom attendance: Attendance counts toward your grade. You start with +10 for attendance. For each absence I deduct 2 points from your attendance grade. WARNING: After 5 absences, your attendance grade becomes a negative number. For your attendance grade excused or unexcused absences are treated equally. It is your responsibility to sign the roll sheet in class for the appropriate day. No late corrections!
5. There may be other required or optional assignments or in class questions worth up to 100 points each.

Course grades are based on the points that you earn. There are 600 points in the course with the opportunity to earn up to 670.

Total course points: A = 540 or more; B = 480 – 539 points; C = 420 – 479 points; D = 360 – 419 points; F = 359 or fewer point.
THESE POINT VALUES FOR THESE GRADES ARE IN STONE AND WILL NOT BE DEVIATED EVEN BY ONE POINT!

There is NO OTHER CREDIT other than outlined above. No make-up or LATE exams, quizzes, or homework are allowed unless you have immediate family or personal health or legal emergencies. Contact me IMMEDIATELY using the Moodle online program's e-mail or office phone at 530-242-2323 as soon as possible, typically the same day, to notify me of your emergency. Do not call me at home!! Be prepared to FAX me documentation to verify your emergency. If you have health, legal, or sports non-emergencies, you may be able to make arrangements to take an exam, quiz or submit homework early. You must contact me at least one week before the quiz/exam to make arrangement

If you work within my parameters, I will do everything I can to accommodate your needs. I do not drop exams, nor offer other extra credit. Keep track of your own total points and grade using the Shasta online program.. During the week before the last day to drop, I will review your class performance and grades. Otherwise do not ask me to figure out your grade. I will discuss with you at anytime, your progress in the class. If you have any corrections or grade questions about any exam, quiz, or other graded assignment, you must notify me within one calendar week after the assignment is returned to the class. No adjustments in grades will be made after this time. I reserve the right to add new assignments. I also reserve the right to create grading policies to cope with atypical situations.

Here is the bottom line: COMMUNICATE with me BEFORE the FACT and I will work with you to make accommodations. After the fact makes things impossible.

Keep all graded work!! Your course points will be available to you periodically online. During the 2 weeks before the last day to drop, I will review course points. Do not ask me to figure out your grade. Each time you ask me about your grade in the class, I will deduct 5 points from your course point total. If you have any corrections or grade questions about any exam, quiz, or other graded assignment; you must notify me within one calendar week after the assignment is returned to the class. No adjustments in grades will be made after this time. I reserve the right to create grading policies to cope with atypical situations.

CLASSROOM BEHAVIOR/ETIQUETTE: Come to class on time. In class do not socialize, talk, or engage in any behavior that is unrelated to or distracting from the class. If you must leave class early, notify me at the beginning of class, sit near the door, and exit quietly. **Turn off your cell phones and computers, NO EXCEPTIONS!** If there are reasons you need your cell phone, please see me before class. This is a college classroom and you are expected to behave like adults who wish to learn. You will be **warned one time** regarding any inappropriate behavior. Upon any further inappropriate behavior, I will deduct 50 points from your final grade.

ACADEMIC HONESTY: DON'T CHEAT! I will not tolerate cheating which I define to include the one who knowingly gives as well as the one who receives. It also includes "signing" the roll sheet for someone else and copying other's work. The penalty is a zero on the work involved and 100 point fine that is deducted from your grade. Any If you have concerns regarding academic honesty, or any aspect of cheating, please see me. All work is to be completed individually unless explicitly stated otherwise.

Tentative Lecture Schedule: This schedule may be changed at the instructor's discretion.

Week starting	Chapters	Week starting	Chapters
1/18	1 & 2	3/26	12 & 13
1/23	2 & 3	4/2	14 & 15
1/30	3 & 4	4/9	15 & 16
2/6	5 & 9	4/16	16 & 17
2/13	Exam I	4/23	Exam III & 18
2/21	6 & 7	4/30	19
2/27	21 & 8	5/7	20 & 22
3/5	10 & 11	5/14	22 & 23
3/12	Exam II & 12		Exam IV

Grade Recorder

Quiz	Score	Quiz	Score	Quiz	Score	Exam	Score
1		5		Assignment 1		I	
2		6		Assignment 2		II	
3		7		Assignment 3		III	
4		8		Discussion is a quiz		IV	
Discussion 1		Discussion 2		Discussion 3		Discussion 4	
Discussion 5		Discussion 6		Discussion 7		Total Points	

SCIENCE LEARNING CENTER Room 1626

The Science Learning Center offers a comfortable study environment and a variety of resources to assist students in any of the Science classes. There are computer programs and filmstrips that cover specific topics, old tests to look at, microscopes and slides to use and tutors to offer help.

Tutors can help you to initiate good study habits and procedures to maximize your study time. They can also help to clarify any confusing concepts. The tutoring is free and is done by students who have already successfully completed the course, often with the same instructor. When there is interest, we run study groups that are led by tutors.

OTHER RESOURCES AVAILABLE

XEROX MACHINE A copy machine is available in the computer area of the Learning Center for .10 per copy.

COFFEE CLUB Coffee is always brewing for Coffee Club Members. To join, there is a 4.50 per month charge or pay .50 by the cup. Occasionally, there is also Hot Chocolate for .15 per packet. Such a deal!

OFFICE SUPPLIES For your use, we have a paper cutter, stapler, scissors, and tape. Colored pencils are also available.

STUDYING IN THE SLC There are three different study environments available

GENERAL AREA This is a quiet area with plenty of room to spread out.

STUDY GROUP AREA We have a special area, separated from the rest of the Center by a partition, where groups like to study together.

SILENT AREA For those students who don't like distraction but want to make use of the Learning Center, this is a perfect spot. It is not quiet, but SILENT.

The SCIENCE LEARNING CENTER is a friendly, helpful, encouraging environment which can become your home away from home.

ADDING A CLASS

Students may add a full-term class through the fourth week of the term.* After the first two class meetings, approval of the instructor is required to add the class, which includes both the signature of the instructor and the first date of attendance. **IT IS THE STUDENT'S RESPONSIBILITY** to pick up the form from the Admissions and Records Office and take it to the instructor for approval. The student must then return the form to the Admissions and Records Office or Extended Education Center for processing before the add is finalized.

DROPPING A CLASS WITHOUT RECORD

Students may drop a class, and have no notation appear on their transcripts, through the fourth week* or 30% of the term for classes less than a semester in length. **IT IS THE STUDENT'S RESPONSIBILITY TO DROP CLASS (ES)**. The necessary forms are available from Admissions and Records, Extended Education Centers, or by mail. If a student intends to drop a class and stops attending but fails to file the necessary forms, a failing letter grade may be assigned by the instructor.

WITHDRAWING FROM A CLASS WITH A "W" GRADE

Students may withdraw from a class after the official "drop" date and up through the fourteenth week or 75% of the term for classes less than a semester in length. The notation "W's" will appear on the student's transcript and will not be used in calculations of grade point average. Excessive "W" shall, however, be used as factors in probation and dismissal procedures. **IT IS THE STUDENT'S RESPONSIBILITY TO OBTAIN FORMS AND SUBMIT THE NECESSARY PAPERWORK TO WITHDRAW FROM A CLASS**. Forms are available from Admissions and Records, Extended Education Centers, or by mail. Students who have not dropped or withdrawn from a class before the end of the fourteenth week or 75% of the term will be assigned a course grade.

ATTENDANCE

Students are expected to attend all class meetings. A student who fails to attend the first meeting of a course without notifying the instructor may be dropped from the class. In addition, an instructor may drop a student during the first 30% of the term for excessive absences. Nevertheless, **IT IS ALWAYS THE STUDENT'S RESPONSIBILITY TO OFFICIALLY DROP OR WITHDRAW** from the class. Students who fail to file the necessary forms, even though they stop attending class, will be assigned a course grade.