

## CHEM 10 CHEMISTRY FOR THE LIBERAL ARTS Fall 2009

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: T 1PM – 2PM; W 11AM – 2PM ; F 8AM – 9 AM 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. Four exams are 100 points each.
2. Quizzes/assignments will count 10 points each. Every twelve assignments are worth 100 final grade points. The sum of each twelve assignments will count as your grade for this section. It is possible to earn up to 120 points out of 100 points possible This is like having the opportunity to earn 20 "extra credit" points.
3. There will be three optional topics which involve some algebra math skills. Each topic will then conclude with a 15 point quiz. After signing up and completing an optional topic, you will take the quiz. Any points earned on these quizzes on optional topics will be added to your total course points.
4. Online discussion discussions will count for 100 points. There will be 7 discussion topics on which you must post your thoughts on the class discussion board. Each of these is worth 10 points. You also must reply to at least two of your classmates discussion thoughts. Each reply is worth 3 points. Total points possible are 112 points out of 100 points. Again you have the opportunity to earn up to 12 "extra credit" points.
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. <b>WARNING:</b> 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.

The "curve" is: A = 90-100%; B = 80-89%; C = 70-79%; D = 60-69%; F <60% so for the course ,  
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 EXTRA CREDIT**. **No make-up or LATE exams, quizzes, or homework are allowed unless you have immediate family or personal health or legal emergencies.** Call me as soon as possible, typically the same day, to notify me of 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 with sufficient lead-time of at least one week to make arrangements. I do not drop exams. **Keep all graded work!!** Your grades will be available to you on Shasta College Online. I will review grades with you just before drop day. Otherwise do not ask me to figure out your grade or I will deduct 5 points from your course total. If you have any corrections or grade questions about any graded material, you must notify me within one calendar week after the material 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.

Finally, you probably are aware that only you can get your education--no professor can give you an education. **You are responsible for yourself.** I am responsible to help you help yourself. Your success in this class is a reflection of your effort.

**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. Turn off your cell phones and mp 3 players. If you must leave class early, notify me at the beginning of class, sit near the door, and exit quietly. 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 the second incident, I will ask you to leave the class for the remainder of the day, schedule a conference with me before you can return, and with a penalty fine of 20 points off your grade. Upon any further inappropriate behavior, the penalty increases to 150 points which is deducted from your grade.

**ACADEMIC HONESTY:** I will not tolerate cheating which I define to include the one who knowingly gives as well as the one who receives. All work is to be done and submitted individually unless I explicitly say differently. Do not copy others' work. Do not use any one else's clicker. If you cheat, you will receive a 0 for the work involved and a penalty fine of a 150 point deduction from your final course grade. If you have concerns regarding academic honesty, or any aspect of cheating, please see me.

Tentative Lecture Schedule:

Week Starting	Chapters	Week starting	Chapters	Week starting	Chapters
8/17	1 & 2	9/28	8 & 10	11/9	17 & Exam III
8/24	3	10/5	10 & 11	11/16	18 & 19
8/31	4 & 5	10/12	Exam II & 12	11/23	19 & 20
9/8	9 & Exam I	10/19	12 & 13	11/30	20 & 22
9/14	6 & 7	10/26	14 & 15	12/7	22 & 23
9/21	7 & 21	11/2	16 & 17	12/14	Exam IV 12/14 @ 8AM

This schedule may be changed at the instructor's discretion.

Grade Recorder

Quiz	Score	Quiz	Score	Quiz	Score	Exam	Score
1		5		9		I	
2		6		10		II	
3		7		11		III	
4		8		12		IV	
Discussion 1		Discussion 2		Discussion 3		Discussion 4	
Discussion 5		Discussion 6		Discussion 6		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.