CHEMISTRY 1143
General Chemistry II

Dr. Rodney Beaver
Spring Semester 2019
Class: 1730-1945 MW

Office: Room M208D
Office Hours:
MTWTh1505-1730

email (the best way to contact me):rbeaver@troy.edu
Note: I will respond to email only if it is sent from a troy.edu account. I will never return phone calls from students.

TEXTS: Chemistry,The Central Science, 14th edition by Brown, LeMay, Bursten, Murphy, Woodward and Stoltzfus. Each student taking the laboratory course must also purchase the safety goggles available in the bookstore. You may also occasionally be required to supply a blue-book for examinations.

GRADING: Accumulation of 900 or more of available points will guarantee an A; 800 or more points a B; 700 or more points a C; 600 or more points a D. The totals required for a given grade may be adjusted downward but will not be increased. Points will be distributed as follows:

Three In-class exams (200 pts each)		600
Final exam		300
Pop quizzes, homework, short quizzes, misc.		100**
	Total	1000

**There will be 8 (or more) pop quizzes, homework, short quizzes, and misc. A minimum of the three lowest (but possibly more depending on the actual number) will be dropped. There will be no make-ups for missed pop quizzes and late homework assignments will not be accepted.
Tentatively, exams are scheduled as follows:

1st exam:	April 1
2nd exam:	April 22
3rd exam:	May 8
Final exam:	May 15

Do not miss any of the exams. Make-up exams will be different and considerably more difficult than the scheduled ones.

Exams, pop quizzes and homework will evaluate your knowledge and mastery of the topics in the textbook, the laboratory, lecture, and any supplemental readings. The skills and knowledge required for a passing grade are illustrated by the problems and exercises in these sources. It is imperative that you work as many of these problems and exercises as possible. Chemistry is similar to learning a foreign language and cannot be mastered without frequent and intense practice and a good deal of memorization. Pop quizzes will generally cover material which has recently been discussed in class. Homework may occasionally require reading ahead in the textbook and require independent thought in order to successfully complete the exercise. Homework assignments are always to be completed without collaboration with anyone else. Collaboration on homework assignments is cheating and will be dealt with through established university dishonesty procedures.

The laboratory is an integral part of this course. Although you will receive a separate grade for the laboratory, material will be presented during class which is required in the laboratory and laboratory concepts will be included in class assignments, quizzes and exams. Class attendance in CHM 1143 is mandatory. Material which is not in the textbook will often be discussed. Material will often be discussed in greater depth than in the textbook. It does no good to notify me that you will be missing class; you will still miss important material. Do not ask me what was covered in a lecture that you missed; it took over an hour for me to present the material and it cannot be summarized in an email or telephone conversation.

A sizable amount of supplemental material will be delivered via the course web site. Details will be provided during the first few class meetings.

We have a number of course policies which are generally applicable to all chemistry courses at TUD. You have received a hard copy of these. They may also be viewed online at: http://www.tudchemistry.org

AMERICANS WITH DISABILITIES ACT:
Students with disabilities, or those who suspect they have a disability, must register with the Disability Services Coordinator in order to receive accommodations. Students currently registered should present their Disability Services Accommodation Letter to the instructor at the beginning of each term. If you have any questions, contact the Disability Services Coordinator at (334) 983-6556 ext 1221 or visit Malone Hall 120.
Since campus elevators are subject to power outages and mechanical breakdown beyond our control, students who have difficulty negotiating stairs and are attending classrooms above ground level should notify their instructor during the first week of class. Consideration will be given to relocating the classroom or making other arrangements.
Absence Policy:
In registering for classes at the university students accept responsibility for attending scheduled class meetings, completing assignments on time, and contributing to class discussion and exploration of ideas.
Weather:
In severe cases of inclement weather or other emergency conditions, the Office of Executive Vice Chancellor and Provost will announce cancellation of classes through the local and regional media as well as through the University's web site.
Academic Misconduct:
Students should refer to the Standards of Conduct section of the Oracle, the student handbook, for policies regarding misconduct.

Schedule of Topics

We will begin with chapter 6 in the textbook and then go straight through chapter 20 possibly skipping chapter 18). Occasionally, we will skip some sections. I will advise you in advance of these sections. You should plan on covering about 1-2 chapters per week.

This is an ambitious schedule. It is imperative that you : a) keep up and b) devote at least eight to ten hours (as an absolute bare minimum) per week to chemistry. This will probably be the most difficult course you encounter in your college careers (at least until you take Organic Chemistry). DO NOT UNDERESTIMATE THE TIME AND EFFORT REQUIRED TO SUCCEED.

Suggested End of Chapter Problems

It is impossible to work too many problems. I will occasionally suggest specific problems, but in general you should work as many problems as possible at the end of each chapter. Again, it is impossible to work too many problems.

AN IMPORTANT NOTE: CHM 1143 moves considerably faster than CHM 1142 and the material is much more complex. If you cannot now (or are not willing within the first few days of class to learn or relearn) immediately write the formulas given the name or the name given the formula of all common (and some uncommon) cations and ions, and if you cannot immediately write net ionic equations for reactions which occur when the solutions of cations and anions (and strong and weak acids and bases) are mixed, you should immediately drop this course and save yourself some money. Use the money saved to retake General Chemistry I. You will immediately and irrevocably fall behind in General Chemistry II if you are not completely adept at the skills noted above!

You have been warned.