

Chemistry 111: Foundations of Chemistry
(1447 – CHM 111 – 103)
Fall 2014

Instructor: Phil Alexander

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Class Time: 1-1:50 M, W, And F **Classroom:** 465

Office hours: 10-11:30 M, W, F; 3:15-4 M, W or by appointment

Text: “*Foundations of College Chemistry Abridged for CHM 111*” by Hein. ISBN: 978-1-11991-870-7.

Includes WileyPLUS access.

Prerequisite: MTH ACT of 21 or better, or C or better in MTH 127 or equivalent

Required Materials:

- Clicker: Turning Technologies NXT (see purchase note)
- 3 ring binder and loose leaf filler paper.
- Simple non-programmable calculator. Please use a simple non-programmable calculator for exams and quizzes. Using a calculator to store information for a test is a reason for receiving a zero on that test. Academic dishonesty will not be tolerated.

Catalogue description:

This course will introduce students to basic chemical facts and concepts. Topics will include units, dimensional analysis, nomenclature, solutions, atomic structure, and stoichiometry.

Purpose of Course: This 3 credit course will provide you with many of the basics of a first semester, college chemistry course. Topics will include mathematics review, metric units, dimensional analysis, nomenclature, properties of matter, atomic structure, stoichiometry, Lewis dot structures, and balancing equations. Additional topics will be covered if time permits. CHM 111 is intended to prepare students for CHM 211.

Course content and grading: The grading scale will be no higher than **A** $\geq 90\%$, **B** 80 to 89%, **C** 70 to 79%, **D** 60 to 69%, and **F** $< 60\%$. I reserve the right to use any modification to this system leading to no lower grades. Tests will be given composed of multiple choice and free response (problem) questions. The tests will make up 60% of the final grade. The final exam will count as 20% of the grade. Quizzes (both clicker-based and written) will be given and will represent 10% of the final grade. Approximately 1 in 5 quizzes will be dropped. Online homework will represent 10% of the grade. Clicker questions will count as 5% of your grade.

Attendance: Regular attendance is expected. No makeup tests or quizzes will be given unless prompt arrangements are made (complete before next class). Makeup day is 12/4 (sign up and a university excuse are required).

Homework problems will be assigned for each chapter and will be discussed in class, and will be collected for a grade. Problems similar to those on the homework will be included on the tests and quizzes. Attendance, reading, and working the homework are essential for successful completion of this course. Plan on doing 2 hours out of class work for each hour in class. **Please seek me out if you want or need help.** Should attendance problems arise contact me before you miss if at all possible. Please be on time and do not disrupt class when coming in late.

Your Responsibility: To study this subject as intensely as possible so that you can do well on the tests and quizzes. You should spend a sufficient amount of time doing homework problems and reviewing your notes so that you are convinced that you understand the material. The biggest mistake is that students think they know the material when in actuality, they DO NOT! You may need to do the homework problems more than once and make sure that you can do them without looking at the answers or worked examples.

Transferring from CHM 211 to CHM 111: If you transferred from CHM 211 into CHM 111, the determination of your grade will be based on the average of the work that you have completed in CHM 111.

Homework: Online homework through WileyPLUS/MUOnline will be assigned regularly and on time completion will be necessary to receive the 10% of your grade from homework.

Withdrawals: The last day to withdraw from this class is 10/31/14.

Makeup: Contact me immediately if you miss a graded assignment. No makeup tests or quizzes will be given unless prompt arrangements are made (complete before next class). Makeup day is 12/4 (sign up and a university excuse are required).

Comments on success in this class:

1. **Keep up.** Do reading, problems, etc. promptly.
2. **Ask for help.** Ask questions in class and seek out other students and the instructor for help. Study/homework groups are often helpful.
3. **Read before class** to improve understanding.
4. **Do the homework.**
5. **Form a study group.**
6. **Use muonline** to access class resources.

Important Dates:

August 25	First day of Class
September 1	Labor Day Holiday
October 20	freshman midterm grades due
October 31	Last Day to Drop
November 24-29	Fall Break No Class

The final exam will be given to all CHM 111 students on Saturday, December 6 at 9:50am.

Electronic Device Policy: All cell phones and pagers must be turned to vibrate during class. The instructor reserves the right to answer any ringing cell phones during lecture, or to dismiss the offending student. Recording of lectures without the instructor's permission is prohibited.

During examinations, all electronic devices except calculators must be inaccessible. Students **MUST BRING A CALCULATOR** to class for all lectures and exams. Calculators that are part of a cell phone or PDA are not acceptable during an exam or quiz.

All university policies, which can be found at this link http://www.marshall.edu/wpmu/academic-affairs/?page_id=802, will be observed.

Approximate Schedule

Week of

8/25	Chapters 1, 2
9/1	Chapter 2
9/8	Chapter 3
9/15	Chapters 3, 4
9/22	Chapter 4, Test 1 (Chapters 1-4)
9/29	Chapters 5, 6
10/6	Chapter 6, Test 2 (Chapters 5, 6)
10/13	Chapter 7
10/20	Chapters 7, 8
10/27	Chapters 8, 9
11/3	Chapters 9, 10
11/10	Test 3 (Chapters 7-9), Chapter 10
11/17	Chapters 10, 11, Test 4 (Chapters 10-11)
12/1	Exam Review

Saturday December 6 9:50am Final Exam