

Chemistry 111

Fall 2023

Text: *Foundations of College Chemistry*, 15th Edition by Hein, Arena, Willard and an [Achieve](#) online homework subscription (course code 6sbydm) by Macmillan. A non-programmable calculator.

Handouts: All material available on-line @ <http://science.marshall.edu/castella/C111.html>

Lecture notes for all chapters

This syllabus and learning objectives

Study suggestions

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Office hours: Monday and Wednesday 2:00 p.m. – 3:50 p.m, Science 408 (my office), S 405, S455 (Chemistry tutoring center), or virtually.

I should also be available most Tuesday and Friday mornings from 11:00 to noon.

If you cannot come by during scheduled office hours or if you have questions at other times, please feel free to drop by my office. My schedule is fluid and so scheduling a time is frequently the easiest way to see me. To do this, just see me right before or after class or drop me an email. ***Many students believe that they bother instructors when they ask questions, but helping you learn is the reason why we are here. If you have questions, please ask them.***

If you have questions that you believe can be answered by email and would like to use that method, please feel free to send them to me. I check my email regularly during the day.

<u>Week</u>	<u>Chapter</u>	<u>Week</u>	<u>Chapter</u>
Aug. 21 – 25	1 – 2	9 – 13	6 – 7 (Test 2)
28 – Sept. 1	2 – 3	16 – 20	7
Sept. 6 – 8	3 (Test 1)	23 – 27	7
11 – 17	4	Oct. 29 – Nov. 3	8
18 – 22	5	6 – 10	8 – 9
24 – 29	5 – 6	13 – 17	9 (Test 4)
Oct. 2 – 6	6	27 – Dec. 1	9

Dec 2 (Saturday) 9:00 – 11:00 a.m. Final Exam

Course Description: This course will introduce students to basic chemical facts and concepts. Topics will include units, dimensional analysis, nomenclature, solutions, atomic structure, and stoichiometry. This course will introduce students to basic chemical facts and concepts. Topics will include units, dimensional analysis, nomenclature, solutions, atomic structure, and stoichiometry. Pre-req: MTH 127 with a minimum grade of C or ACT Math with a score of 21 or SAT Mathematics Before Mar. 16 with a score of 500 or SAT MATH SECTION SCORE with a score of 530 or MTH 130 with a minimum grade of C.

Learning objectives	Objective will be taught through...	Objective will be assessed by...
Students will obtain an understanding of the atomic structure and the history of the atom.	- Lectures - Achieve assignments - Textbook and lecture notes	- Exams - Quizzes - Achieve assignments
Students will become competent in identifying reaction types, classifying matter, understanding chemical structures, and recognizing trends in reactivity	- Lectures - Achieve assignments - Textbook and lecture notes	- Exams - Quizzes - Achieve assignments
Students will gain experience performing calculations involving unit conversions, stoichiometry, and manipulations of mathematical equations.	- Lectures - Achieve assignments - Textbook and lecture notes	- Exams - Quizzes - Achieve assignments
Students will develop the problem solving/critical thinking skills necessary for advancement to CHM 211	- Lectures - Achieve assignments - Textbook and lecture notes	- Exams - Quizzes - Achieve assignments

Attendance

Attendance for this course is optional, but there will be tests or quizzes on most days. With nearly all the material for this course available on the internet, there will be a temptation to miss class more often than if you needed to come to obtain the lecture notes, homework assignments, and other materials. There is a strong correlation between attendance and success in chemistry courses. While good study habits are the most important determiner of success, students who regularly attend class are more likely to keep up with assignments than those who miss frequently.

Grading

Tests: The dates for tests provided on the first page are only approximate. Tests will be given on Chapters 1 – 3, 4 – 6 & 7 – 9, regardless of the dates listed above. Beginning with the second test, up to 20% of the points may review previous material in this course.

Quizzes: Quizzes may have different numbers of questions. Therefore, the quiz average will be determined by dividing the number of points awarded on all quizzes by the number of points available. Quizzes are cumulative for the entire semester.

Online homework (9 x 10 points)	90 points
Tests (3 x 100 points)	300 points
Quiz Average (1 x 100 points)	100 points
Final Exam	<u>200 points</u>
	690 points

The scale for the course is A = 90%-100%, B = 80 – 89.9, C = 70 – 79.9, D = 60 – 69.9 of all available points.

The “A” line will be determined by adding together the 6 minimum “A” scores on all of the tests and assignments. The “B,” “C,” and “D” lines will be calculated similarly. The total number of points you score during the semester will be compared with these values.

There are no dropped tests or quizzes and no make-up tests or quizzes will be given.

During tests talking to each other and sharing of calculators are forbidden.

Calculators with alphanumeric and/or graphing capabilities are not permitted for tests or the final exam. If you have questions regarding your calculator, I will be glad to look at it. Make sure you do this before the day of a test. Also, you may not use your cell phone as a calculator.

During tests you may not use your own paper or other materials except your pen/pencil and calculator.

Online Homework

Due dates for the assignments will be found on the [Achieve](#) website. The due date will depend on when a particular chapter is completed in class. At that point, I will update the next assignment’s due date.

Miscellaneous Topics

If a test falls on a day that is cancelled by the university (e.g. a snow day), the test will occur on the next period the class meets.

Please turn off cell phone ringers before class. Failure to do so may result in you being removed from the room, even during a test.

You may not record my lectures without my permission and under no circumstances may they be posted, transferred, or reproduced to any form of media (Internet, print, television, and the like) without my permission.

University Policies

By enrolling in this course, you agree to the University Policies. Please read the full text of each policy (listed below) by going to [MU Academic Affairs: University Policies](http://www.marshall.edu/academic-affairs/policies/). (URL: <http://www.marshall.edu/academic-affairs/policies/>)

- Academic Dishonesty Policy
- Academic Dismissal Policy
- Academic Forgiveness Policy
- Academic Probation and Suspension Policy
- Affirmative Action Policy
- Dead Week Policy
- D/F Repeat Rule
- Excused Absence Policy for Undergraduates
- Inclement Weather Policy
- Sexual Harassment Policy
- Students with Disabilities (Policies and Procedures)
- University Computing Services Acceptable Use Policy

Marshall University E-Mail Accounts

You must have and use your MU email account. Your personal email accounts will not be used for official communication with Marshall University programs and personnel. You may redirect your MU email to your own personal email account, but you must sign in to your MU account to do that. Marshall University uses Office 365 email. For more information, visit Marshall IT: Office 365 (URL <https://www.marshall.edu/it/office365/>)