

CHMY 104
Fall 2017

Professor: Dr. Royce C. Engstrom
Email: Royce.engstrom@umontana.edu
Office hours: Chemistry Building, Room 002
W: 10:00 – 11:00 a.m.
Th: 11:00 - 12:00 a.m.

Learning Assistant: Hannah Little

Textbook: Introductory Chemistry, Cracolice and Peters, with the On-line learning system: OWL v2

Course meeting time: MWF 2:00 – 3:00 p.m., SS 352
One of the following practice sessions:
Tuesday, 1:00-1:50, HS 411
Tuesday, 4:00-4:50, LA 338
Wednesday, 4:00-4:50, HS 411

Course outcomes: This course is designed to prepare you to succeed in the regular General Chemistry sequence, CHMY 141 and 142. This course will focus on the fundamental chemistry concepts and quantitative skills that are required to appreciate and understand General Chemistry. Successful completion of CHMY 104 should position you to do well in the General Chemistry course at UM or anywhere else.

Attendance Policy: We will not take attendance in the lecture part of the course, but in the Discussion Sections. I will expect you to be at every session, however, because that is how you will succeed in this course. Quizzes and examinations require mandatory attendance. You are in control of your success, and I will expect you to take a professional approach to this course, which means you will attend faithfully.

Plagiarism: Representation of the work of others as your own is a violation of University policy and a serious breach of ethics. When you put your name on a piece of work, you are pledging that it is your own work. It is permissible to incorporate the work of others provided you appropriately acknowledge that contribution. In this class, we will often work together to understand concepts, but in the end, when you are asked to demonstrate your own mastery of those concepts, you must do so independently. Violation of the plagiarism policy (including unauthorized use of electronic devices during exams) will have serious consequences for your success in this course and at the University.

Disabilities: If you know or suspect that you have a disability that will interfere with your success in this course, please contact Disabilities Services at the University of Montana. They may recommend specific accommodations, and the instructor will certainly comply with those recommendations. I don't want anything to interfere with your enjoyment of chemistry!

Course Grade: Your course grade will be determined by your performance of the items below:

Quizzes: 8% each for a total of 40% (The lowest quiz will be dropped.)
 Exams: 15% each for a total of 60%

The homework will not formally count toward your grade, but please recognize that homework is an indispensable part of your mastery of the material. Don't shirk on doing your homework!

Your final grade will be assigned according to the following ranges:

A	93-100
A-	90-93
B+	87-90
B	83-87
B-	80-83
C+	77-80
C	73-77
C-	70-73
D	60-70
F	<60

Table 1 Course Schedule and Outline

F	1-Sep	Course introduction and chemistry overview, including Chapter 1
M	4-Sep	Labor Day Holiday
W	6-Sep	Chapter 2: Matter and Energy
F	8-Sep	
		Quiz: Chapter 2, Begin Chapter 3: Measurement and Calculations
M	11-Sep	
W	13-Sep	
F	15-Sep	
M	18-Sep	Quiz: Chapter 3, Begin Chapter 5: Atomic Theory

W	20-Sep	
F	22-Sep	
M	25-Sep	Exam 1 over material covered to date
W	27-Sep	Atoms, Ions, Molecules, Elements, Compounds (Special Handout)
F	29-Sep	Begin Chapter 7: Chemical Formula Relationships
M	2-Oct	
W	4-Oct	
F	6-Oct	
M	9-Oct	Quiz: Chapter 7 , Begin Chapter 8: Chemical Reactions
W	11-Oct	
F	13-Oct	
M	16-Oct	Quiz: Chapter 8 , Begin Chapter 10, Quantity Relationships
W	18-Oct	
F	20-Oct	
M	23-Oct	Exam 2 over Chapters 7, 8, 10
W	25-Oct	Begin Chapter 4 and 14, Gases (with review of Chapter 2)
F	27-Oct	
M	30-Oct	
W	1-Nov	Begin Chapter 16, Solutions
F	3-Nov	
M	6-Nov	
W	8-Nov	Quiz over Chapters 4, 14, 16
F	10-Nov	Veterans Day Holiday
M	13-Nov	Begin Chapter 11, Atomic Theory: Quantum Model
W	15-Nov	
F	17-Nov	
M	20-Nov	Exam 3 over Chapter 4, 14, 16
W	22-Nov	Thanksgiving Travel Day
F	24-Nov	Thanksgiving Holiday
M	27-Nov	Begin Chapter 12, Chemical Bonding
W	29-Nov	

F	1-Dec	Begin parts of Chapters 9, 17, and 19, Chemical Changes
M	4-Dec	Quiz over Chapter 12,
W	6-Dec	Begin course review and reinforcement of concepts
F	8-Dec	
M	11-Dec	Last Day of Class

Final Exam: Tuesday, December 19, 1:10-3:10 p.m. This will be a comprehensive final exam, meaning all material from the course will be covered to some extent.