

Fall 2015

CHEM 1018

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University of New Orleans

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Chemistry 1018, Sections 7-12
General Chemistry II
Fall 2015
Meets T/Th, 11 to 12:15 PM, SC 2120

Instructor: Dr. Hank Hauck
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E-mail: hhauckjr@uno.edu
Moodle: Grades
e-mail: Lecture Slides in PowerPoint; Other (worksheets)
on-line: Homework – Mastering Chemistry

Prerequisite: Successful completion of CHEM 1017

Description: Chemistry 1018 is the second course in the fundamentals of chemistry. This course covers several key concepts that form the basis of chemical knowledge and experimentation.

Credit: 3 credit hours

Text: *Chemistry: A Molecular Approach* by Nivaldo Tro, 3rd Edition and
MasteringChemistry by Pearson (on-line)

Student Learning Objectives

After successfully completing this course, students will have a general understanding of several key concepts in chemistry, including: intermolecular forces, solutions, kinetics, equilibrium, thermodynamics, electrochemistry, and nuclear chemistry. In addition, students will be able to apply these basic concepts to understanding basic phenomena occurring in every day life.

Grading and Exam Schedule (% of course grade)

Exam 1 - Chapters 11-13 (15%) – Sept. 22

Exam 2 - Chapters 14-16 (20%) – Oct. 25

Exam 3 - Chapters 17-19 (20%) – Nov. 19

Final Exam - Chapters 11-19 (20%) – Week of Dec. 5

Homework (MasteringChemistry & Attendance) - (10%)

Quizzes (10%) – I will take the best 10 quiz scores & drop the other scores.

Excessive unexcused absences will result in penalties up to almost 0 (zero!) for this category.

Recitation: 5% Attendance (0%) IF YOU ARE BORDERLINE (B/C), GOOD

ATTENDANCE WILL GET YOU THE HIGHER LETTER GRADE (B). Poor attendance in this situation merits a C!

Homework

Homework assignments will be completed using MasteringChemistry (www.masteringchemistry.com). Each student must obtain access to MasteringChemistry and register for this course in MasteringChemistry. The course ID will be provided in class and/or via e-mail. Homework assignments will be given about once per week and EACH will require about 2-3 hours to complete and will be due within a calendar week. DO NOT GET BEHIND.

Quizzes, Essays, Work Sheets and Attendance

10% of your final grade is based on quizzes, either announced or pop. Attendance for quizzes is mandatory or you will get a zero. Excessive absences can reduce your quiz average to almost 0%. I will keep 10 quiz scores and will administer at least 15 to 18.

Disabilities

Students who qualify for services will, whenever possible, receive the academic modifications for which they are legally entitled.

Academic Integrity

Academic integrity is fundamental to the process of learning and evaluating academic performance. Academic dishonesty will not be tolerated. Academic dishonesty includes, but is not limited to, the following: cheating, plagiarism, tampering with academic records and examinations, falsifying identity, and being an accessory to acts of academic dishonesty. Refer to the UNO Judicial Code for further information, including the consequences for acts of academic dishonesty. The Code is available online at www.studentaffairs.uno.edu/studentpolicies/policymanual/academic_dishonesty.cfm.

Plagiarism is a serious offense that can result in failure in a course and dismissal from the university.¹ Students must make special efforts to learn what constitutes plagiarism and how to properly utilize and cite the work of others.

“Plagiarize 1. To steal and use (the ideas or writings of another) as one’s own. 2. To appropriate passages or ideas from (another) and use them as one’s own . . . To take and use as one’s own the writings or ideas of another.” - definition from *The American Heritage Dictionary of the English Language*, W. Morris, Ed. American Heritage publishing Company, Inc. and Houghton Mifflin Company: New York, 1969.

Verbatim, or word for word copying, is the most obvious form of plagiarism. However, substantially copying the ideas or presentation of another, even when wording has been changed, can also constitute plagiarism.

Free Tutoring for Many Courses is Available On-Campus from the UNO Learning Resources Center: <http://lrc.uno.edu/> **Free Chemistry Tutoring Available in the Chemistry Learning Center (CSB 101)**

¹International students who are dismissed from the university can lose their visa status, requiring them to return to their home country.

CHEM 1018 Fall 2015 - Course Schedule

OVERVIEW

Dates	Material	Topic (Mast Chem. Homework Due Date)
Review	Ch. 9 & 10	Lewis Structures & Molecular Geometry
Unit 1	Chapter 11	Liquids, Solids, and Intermolecular Forces (9/7)
Aug. 23 – Sept. 20	Chapter 12	Solutions (9/13)
(30 min. review on Sept. 20)	Chapter 13	Kinetics (9/18)
<i>Sept. 22</i>	<i>Ch. 11-13</i>	<i>Unit 1 Exam</i>
Unit 2	Chapter 14	Equilibria (10/4)
Sept. 27 – Oct. 20	Chapter 15	Acids & Bases (10/18)
(~30 min. review on Oct. 20)	Chapter 16	Aqueous Ionic Equilibria (10/23)
<i>Oct. 25</i>	<i>Ch. 14-16</i>	<i>Unit 2 Exam</i>
Unit 3	Chapter 17	Free Energy and Thermodynamics (11/8)
Oct. 27 – Nov. 17	Chapter 18	Electrochemistry (11/18)
(~30 Min Review on Nov. 17)		
	Chapter 19	Nuclear Chemistry (11/30)
<i>Nov. 19</i>	<i>Ch. 17-19</i>	<i>Unit 3 Exam</i>
Tues, Dec 1	<i>Ch. 11-19</i>	Final Exam Review
<i>Dec 5</i>	<i>Ch. 11-19</i>	<i>Final Exam</i>

MasteringChemistry (MC) Assignments

Assignments will be due about once per week to once every two weeks. See the schedule on the Mastering Chemistry (MC) website for details. Please log on and check this out immediately. There is a familiarization session, although you should be very familiar with MC from Chem 1017.