

Fall 2015

CHEM 1008

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Chemistry 1008, General Chemistry Lab II

Fall 2015

T (section 601) or Th (section 602) 5-8 PM; Meets in SC 1074

Instructor: Gérard Bastian
Office: Chemistry building Room 237
Office Hours: 9 AM – 6 PM
Tel.:
E-mail: gbastian@uno.edu

TAs: Each lab section will have a Teaching Assistant. Names and contact info are in Moodle.

Prerequisite: CHEM 1017 and 1007 with a grade of C or better; Concurrent enrollment or successful completion of CHEM 1018 is strongly recommended.

Description: Second semester of general chemistry laboratory covering basic principles of laboratory investigations and illustrations of the course content of general chemistry. Three hours of laboratory.

Credit: 1 credit

Text: *CHEM 1008 General Chemistry Lab II*, ISBN: 978-1-11994-724-0

Student Learning Objectives

Students who complete this course should have a basic understanding of laboratory safety, design and implementation of lab procedures, intermolecular forces, solutions, kinetics, equilibrium, titrations, buffers, solubility product constants, thermodynamics, and electrochemistry.

Attendance Policy

Attendance will be taken each class period. 10% of your final grade will be based on attendance/participation.

Exam Schedule

Final Exam – Dec. 1-3 (during normal lab meeting time)

Grading

Course grades will be determined from quizzes, lab report grades, exam grades, attendance, and participation. Course grades will be assigned based on the following table:

Prelab/Homework	10%
Final Exam	10%
Quizzes	10%
Normal Lab Reports	25%
Formal Lab Reports	35%
Attendance/Participation	10%

Late lab reports will be penalized 10% per day (24 h) late, but will not be accepted beyond 3 days late unless a doctor's note or similar written justification is provided.

Grading scale: 90-100% = A; 80-89% = B; 70-79% = C; 60-69% = D

Homework

Read lab procedures and complete pre-lab assignments before coming to lab. A prelab quiz will be given at the beginning of each lab period.

Lab Reports

Normal lab reports will be due at the beginning of the subsequent lab period. Completed pages from the lab manual must be turned in. Formal lab reports must be submitted via Moodle/turnitin one week from the start of the corresponding lab period. For example, a lab completed on Sept. 15 in the T 5-8 PM section will be due at 7:59 PM Central on Sept. 22. All formal lab reports must be submitted via Moodle/turnitin.

Accommodations

It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities should contact the Office of Disability Services as well as their instructors to discuss their individual needs for accommodations. For more information, please go to <http://www.ods.uno.edu>.

Classroom Conduct and Safety

Cell phones should be turned OFF before entering class. All safety rules must be followed at all times. Unsafe behavior will result in dismissal from a lab session or the course. Safety goggles must be worn at all times in the lab. Long pants and closed shoes are required. Quizzes will include safety topics throughout the semester.

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 Student Code of Conduct for further information. The Code is available online at <http://www.studentaffairs.uno.edu>.

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.

Formal lab reports will be evaluated using turnitin via Moodle. The similarity score must be 20% or lower. A submitted report with a similarity score higher than 20% will be further investigated to determine if plagiarism is involved. Up until the due date, the report can be revised to decrease the similarity score. Reports will also be manually assessed for plagiarism.

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

Free Tutoring Available On-Campus from the UNO Learning Resource Center:

<http://www.uno.edu/lrc/>

Free Chemistry Tutoring Available in the Chemistry Learning Center - CSB 101

CHEM 1008 Fall 2015 - Approximate Course Schedule

Date	Lab	Topic/Title	Chapter from Tro
Aug 18-20		No lab meetings	
Aug 25-27	0	Safety Training; Intermolecular Forces and Colligative Prep	
Sept 1-3	1	Lab 1: Intermolecular Forces	11
Sept 8-10	2	Lab 2: Making the Best Antifreeze	12
Sept 8		<i>Last day to drop a course (will not be recorded)</i>	
Sept 15-17	3	Exp 19: Kinetics of the Iodination of Acetone (formal report)	13
Sept 22-24	4	Exp 8-1: How can a Chemical Equilibrium be Shifted	14
Sept 29-Oct 1	5	Exp 10: pH-Titration	15
Oct 6-8	5	Exp 10: pH-Titration (formal report due in 7 days)	15
Oct 14		<i>Last day to drop a class with a grade of W</i>	
Oct 15-16	No Labs	<i>Fall Break, No labs Oct 13-15; no classes Oct 15-16</i>	
Oct 20-22	6	Lab 6: Buffer Solutions and Solubility Products	16
Oct 27-29	7	Lab 7: Energy in Rocket Fuel	17
Oct. 30		<i>Spring registration opens</i>	
Nov 3-5	7	Lab 7: Energy in Rocket Fuel (formal report due in 7 days)	17
Nov 10-12	8	Lab 8: Making Batteries	18
Nov 17-19	8	Lab 8: Making Batteries (formal report due in 7 days)	18
Nov 26	No Labs	<i>Thanksgiving Break; no labs Nov 24-26; no classes Nov. 26-27</i>	
Dec. 1-3	1-8	Final Exam, No Experiments	11-18