

CHEM 132 LABORATORY SCHEDULE*

Spring 2020

DATE	Experiment	Interactive Reading Assignments in MindTap
1/13-1/17	Check in /Lecture: Safety, Grading and Lab Reports Lecture about Aspirin lab related background knowledge including Spec 200, graduate pipet, and dilution calculation	
1/20	No Lab (Martin Luther King Jr. Day)	
1/21-1/27*	Experiment 1: Spectrophotometric Analysis of Commercial Aspirin <u>Experiment and Report Sheet</u>	6.1-6.4
1/28-2/3*	Experiment 2: A Kinetic Study of an Iodine Clock Reaction <u>Experiment and Report Sheet</u>	14.2, 14.3, 14.4a&b, 14.5
2/4-2/10*	Experiment 3: Determination of an Equilibrium Constant (Part I) <u>Experiment and Report Sheet</u>	15.1-15.3
2/11-2/14	Assessment day on Tuesday No Lab the rest of the week	
2/17-2/21	Experiment 3: Determination of an Equilibrium Constant (Part II)	15.1-15.3
2/24-2/28	Experiment 4: Le Chatelier's Principle in Iron Thiocyanate Equilibrium <u>Experiment and Report Sheet</u>	15.4
3/2-3/6	Midterm Test	
3/9-3/13	Spring Break Week	
3/16-3/20	Experiment 5: Weak Acids, Bases and their Salts <u>Experiment and Report Sheet</u>	16.1-16.5
3/23-3/27	Experiment 6: Determination of Acid Neutralizing Power of Commercial Antacids <u>Experiment and Report Sheet</u>	17.3
3/30-4/3	Experiment 7: Investigation of Buffer System <u>Experiment and Report Sheet</u>	17.2
4/6-4/10	Experiment 8: Oxidation-Reduction Titration <u>Experiment and Report Sheet</u>	4.4, 20.1

4/13-4/17	Experiment 9: The Solubility of Potassium Bitartrate Experiment and Report Sheet	18.1, 18.2
4/20-4/24	Lab Final Test	

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This course is designed to acquaint the student with elementary procedures and techniques encountered in the chemical laboratory. The experiments have been chosen to illustrate these techniques and to supplement lecture material.

Text: Will be available for student to download at Chemistry Webpage:
<https://www.jmu.edu/chemistry/general-chemistry-labs.shtml>

Departmental Requirements:

1. In order to maintain a safe environment for the student and instructor, no one will be permitted to remain in the laboratory without some form of eye protection. Further, the student is expected to be familiar with departmental safety requirements.
2. Two unexcused absences will result in an "F" in the course. Each instructor will determine what constitutes an excused absence. Excuses must be obtained from the laboratory instructor. In the event of a conflict caused by a University sponsored extra-curricular activity, it is the student's responsibility to make satisfactory arrangements with the instructor prior to the conflict.

*For these three weeks, new labs start on Tuesday.