**Spring 2021 CHEM 1141 SCHEDULE**

| **Date** | **Experiment** | **Homework Due at the BEGINNING of Lab[[1]](#footnote-1)** | | | |
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|  |  | **Online Videos** | **Prelab**  **(PL)** | **Quiz**  **(QZ)** | **Data Sheet (DS)**  **Outlines** |
| Jan 11 | **NO LAB** |  |  |  |  |
| **Jan 18** | **MLK HOLIDAY—NO LAB** |  |  |  |  |
| Jan 25 | **Equipment and Safety Lab, Check-in** | \*ONLINE safety and AIP sheets must be signed, scanned as a pdf and turned into the proper Dropbox folders on D2L by Sunday, **January 31**, at 11:00 PM | | | |
| Feb 1 | **Exp #1**  Density | Safety Video, Density lecture, Density Lab | Exp #1 PL | Safety QZ,  Exp #1 QZ | Equip/Append DS |
| Feb 8 | **Exp #2**  Paper Chromatography | Paper Chromatography lecture | Exp # 2 PL and SDS | Exp #2 QZ | Exp #1 DS |
| Feb 15 | **Exp #3**  Mass Relationships | Mass Relat. Lect,  Mass Relat lab | Exp #3 PL | Exp #3 QZ | Exp #2 DS |
| Feb 22 | **Exp #4**  Prep of Alum | Alum lecture,  Alum lab | Exp #4 PL | Exp #4 QZ | Exp #3 DS |
| **Mar 1** | **MIDTERM EXAM** |  |  |  | Exp #4 DS |
| Mar 8 | **Break**  We are skipping lab #5 |  |  |  |  |
| Mar 15 | **Exp #6**  Calorimetry | Calorimetry lect,  Calorimetry lab | Exp #6 PL | Exp #6 QZ |  |
| Mar 22 | **Exp #7**  Vitamin C | Vit C lect,  Vit C lab | Exp #7 PL | Exp #7 QZ | Exp #6 DS |
| Mar 29 | **Exp #8**  Alkaline Earths and Halogens | Alk Earth lect,  Alk Earth lab | Exp #8 PL | Exp #8 QZ | Exp 7 DS |
| Apr 5 | **Exp #9**  Nonmetals | Nonmetals lect,  Nonmetals lab | Exp #9 PL | Exp #9 QZ | Exp #8 DS |
| Apr 12 | **Exp #10**  VSEPR models  **CHECK OUT** | VSEPR lect,  VSEPR lab | Exp #10 PL | Exp #10 QZ | Exp #9 DS |
| **Apr 19** | **FINAL EXAM**  **Cumulative** |  |  |  | Exp #10 DS |

**Weekly Lab Format**

The amount of time required for class each week will vary, but you will likely spend 2 to 4 hours completing pre-lab exercises and lab reports prior to class. You will then have only 2 hours to collect data in class. You will not get any extra time to complete labs, so you must be absolutely prepared to do the lab during your scheduled lab period. You will be penalized for not collecting all of the data; you will also be penalized for not cleaning up after yourselves.

On D2L, you will find the following pre-lab materials. You should go through them in the following order.

1. **PowerPoint Lecture:** For each lab, I will have a pre-recorded lab lecture loaded onto D2L in the appropriate folder for each lab (example: Experiment 1: Density lab folder). This lab lecture will have general background information, help with math, tips on how to do the lab, and information on what I expect to see on the data sheets you will turn in. There will also be a link to a lab video that you must watch.
2. **Lab Video:** For each lab, there is a lab video of a TA going through the steps and giving helpful advice. NOTE: videos were recorded for a previous semester and so some of the information in the videos does NOT apply here (such as due dates, etc.). Additionally, some things are done slightly differently from how we will do them and there is the occasional mistake. These lab videos are meant as guides to help you visualize the lab prior to doing it. The information given in MY PowerPoint Lectures is the information that applies for grading, due dates, etc.
3. **Pre-lab:** this is from the packet you will be given the first day of class. You must physically complete the pre-lab and physically turn it in when you walk into lab. You should scan or photograph the pre-lab prior to turning it in so that you have a study-sheet to work from. Do NOT just Google answers and do NOT copy answers from other students (current or past). Pre-labs are to be YOUR work.
4. **Lab outline**—a sample has been provided for you to look at. **You must have an outline to gain admittance to the lab to do the lab; you will NOT be allowed to do the lab without an outline and you will NOT be allowed to make the lab up. It will be a grade of zero in the gradebook.** You do not have time to wonder about what you are doing; you must come in, do the work, and leave. If you are NOT prepared, you won’t finish. Moreover, without an outline and an understanding of what you are doing, you become a liability and health-hazard in the lab. This will not be tolerated. Lab outlines must be turned in with your datasheets. **Note: You will NOT be allowed to sit in the hall and write a quickie outline at the beginning of lab. You may NOT share outlines. You may NOT use old outlines from other students.**
5. **Lab Quiz:** there will be an **ONLINE** quiz for each week in which there is no exam. Lab-quizzes are **DUE by 11:00pm Sunday night** before lab, no exceptions (see schedule). The quiz will cover concepts, procedures, and math.

At your scheduled lab time, you will come to lab, turn in anything that is due to the TA and get a signature on your outline. You will have 2 hours to collect the data required by the datasheet. You will then clean up and leave. You will go home and complete the lab by the next lab period where you will turn it in along with your signed outline.

1. LAB QUIZZES MUST BE COMPLETED by 11:00pm Sunday night, no exceptions. Pre-labs are due at the BEGINNING of lab. Datasheets are due at the BEGINNING of the next lab period along with your outlines. [↑](#footnote-ref-1)