

## CHM 113 INA Laboratory Discussion FALL 2015

**The Discussion (online) component is part of the CHM 113 Laboratory.**

**Online Course:** Check course website and LIVE-D2L each week

**Instructor:** Dr. Adriana Dinescu

**Office:** Room CSC 408

**Off. Hrs:** M R 3:00 PM - 5:00 PM

R 9:00 AM - 10:00 AM, or by appointment

**Office Ph.:** 408-4623

**E-mail:** [adriana.dinescu@wilkes.edu](mailto:adriana.dinescu@wilkes.edu)

**Course website:** [www.chem.wilkes.edu](http://www.chem.wilkes.edu) → follow the **Resources** tab, select **Links** and click on **CHM 113** link.

The URL is: <http://www.chem.wilkes.edu/~dinescu/CHM113>

**Attendance:** Online attendance is mandatory and will be monitored in LIVE D2L. While this course is delivered online, you are required to **learn** each module (one module for each experiment) **before** performing the laboratory experiment.

**Instructions and announcements** will be posted on the course website:

<http://www.chem.wilkes.edu/~dinescu/CHM113>

**Schedule:** Laboratory schedule is printed in the lab manual and posted on the course website. Any changes will be announced and online schedule will reflect those changes.

Course materials will be delivered on Wednesday, the week before the scheduled experiment. For example, if your “Measurements” lab is scheduled on Tuesday, September 8, the course materials for this experiment will be posted online on Wednesday, September 2nd. This way you will have five days to prepare.

**Assessment:** There are no exams or grades for the Discussion. However, your performance in the laboratory will be evaluated in connection with your progress in the online lab discussion. The lab grade has one component that accounts for 12.5% of your final grade (attendance, technique, performance and professionalism). This component will take into account your online attendance and level of preparation for the scheduled experiment. Your lab instructor will know the content of the materials that were delivered in the online course and expect that you are familiar with all of them.

**Lab requirements: Follow the laboratory syllabus given by your lab instructor.**

Prelab questions are due before the scheduled lab. Questions are provided in the lab manual (end of the experiment).

Before the scheduled lab, you should write in your notebook the title, purpose, materials and procedure for that experiment. It saves time and frustration to prepare your experiment by studying the lab manual and online materials before coming to lab. You will not be allowed to use the manual while performing the lab.

Lab report forms will be posted during the week of scheduled lab. Do not copy the template of the report form in your lab notebook. You need to record the raw data based on actual procedure and not the expected/planned procedure.

### Office hours policies:

- If you have questions that would require some discussions, I will not be able to answer through email; please follow the office hours listed on the first page of the syllabus.
- My office hours are meant for you; use them as much as you need to.
- **If you have classes during my office hours, please schedule an appointment. Do not ask when I am available. Propose a day/time** that works with your schedule and mine (my schedule is printed on page 3). As you can see from my schedule, the best options are weekdays after 5 pm.
- If you have a question that is related to the online component and can be answered in 1-3 sentences (such as a short clarification), please feel free to email me and I will try to provide an answer within 24 hours.

### Major Objectives (shared by all courses in the Department of Chemistry):

- A1. To demonstrate proficiency in analysis, organization, interpretation, and presentation of chemical data
- A2. To express chemical concepts with quantitative relationships and to interpret the results obtained from the use of these quantitative relationships in terms of the chemical concepts conveyed in this format
- A3. To use written communication in a cogent and coherent form that demonstrates understanding of chemical concepts
- A4. To develop critical thinking skills in synthesizing information
- A5. To appreciate the relevance of chemistry to everyday life
- A6. To recognize that the various areas of chemistry are interrelated and require integration of basic chemical principles including chemical formulas and nomenclature; chemical reactions and stoichiometry; chemical equilibria including acid-base theory; and molecular structure

### Course Objectives (for this particular course):

- B1. To reinforce or extend the chemical theories discussed in the co-requisite and all prerequisite chemistry courses
- B2. To develop proficiency in experimental design, data collection, and analysis and interpretation of experimental results
- B3. To become familiar with the safe preparation, use, storage, and disposal of reagents commonly encountered in inorganic chemistry laboratories
- B4. To increase familiarity with and competence in the major synthetic techniques and methods of analysis available to the modern inorganic chemist
- B5. To develop excellent laboratory note-taking skills and to appreciate the importance of the laboratory notebook as a legal document
- B6. To understand the ethical obligation of experimentalists in reporting results of their experiments
- B7. To communicate experimental design and interpretation of experimental results in the standard format encountered in the scientific literature

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*Schedule for Fall '15*

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	<b>CHM 115 A</b> BREIS 107		<b>CHM 115 A</b> BREIS 107	<b>CHM 115 A</b> SLC 101	<b>CHM 115 A</b> BREIS 107
9:00	<b>CHM 398 A</b> SLC 160		<b>CHM 398 A</b> SLC 160	Office Hour	<b>CHM 398 A</b> SLC 160
10:00					
11:00	<b>CHM 355 A</b> SLC 160	Meetings	<b>CHM 355 A</b> SLC 160	Meetings	<b>CHM 355 A</b> SLC 160
12:00					
1:00					
2:00		Research Activities	<b>CHM 357 L1</b> 2:00-4:50pm CSC 402/407		Research Activities
3:00	Office Hours			Office Hours	
4:00					
5:00					
6:00					