

Principles of Chemistry II (CHEM 1212) Laboratory

Department of Chemistry

Georgia State University

Fall 2020

A 100% Online Course

Instructor: Dr. Nilmi Fernando

Email: nfernando1@gsu.edu

Day and Time of Lab: Wed 2-5 pm

Virtual Office Hours: Wed 2-5 pm

CRN: 80098

CRN: 83522

Course Description

An expansion of the basic chemical knowledge obtained in lecture.

Please do note that this syllabus reflects a plan for the semester. Deviations may become necessary as the semester progresses.

Assessments

Below is a breakdown of your weekly lab assessments and points allocated.

Grading:

Task	Points	Total points
Introduction quizzes 7 pt x 2 quizzes		14
Week 3	Prelab 5, Data report 12	17
Week 4	Prelab 5, Data report 12	17
Week 5	Prelab 5, Data report 12	17
Week 6	Prelab 5, Data report 12	17
Week 7	Prelab 5, Data report 12	17
Week 8	Prelab 5, Data report 12	17
Week 9	Prelab 5, Data report 12	17
Week 10	Prelab 5, Data report 12	17
Week 11	Prelab 5, Data report 12	17
Week 12	Prelab 5, Data report 12	17
Week 13	Prelab 5, Data report 12	17
Total		200

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COURSE HELP

How Do I Contact my lab instructor?

Either through office hours or email. Please email me from your official GSU student email account, NOT from iCollege. Every effort is made to reply within 24 hours.

How Do I Access My Course?

All work will be done in Labflow. Communication about the course is via iCollege.

What Are the Required and Optional Materials?

The following resources are required for this course:

Registration for Labflow:www.labflow.com

Please see directions in iCollege.

You will be asked to provide an enrollment code, which is your 5 digit CRN number.

Please note: Students will not be able to register until a week before classes start.

Are There Any Required Meetings?

This course is completely asynchronous.

How Do I Succeed in this Course?

If this is your first time taking an online course, you should refer to GSU's [Keep Learning: Resources For Learning Away From Campus](#).

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SCHEDULE

Although this is an online course, we do have a set schedule.

Week 1: Aug 24 – Aug 30: No lab

Week 2:

Aug 31 - Sept 4: **Safety, Math and Labware**

Videos and quizzes are open August 30th.

Sept 4 at 8pm: Safety quiz and Chemistry, Math and Labware quiz are due

Week 3:

Sept 7 – 11: **Aspirin and Other Analgesics**

Sept 6: pre-lab is open,

Sept 7 8pm: pre-lab quiz due; Data and Report are open

Sept 11 8pm: report due

Week 4:

Sept 14 – Sept 18: **Identification of a Halide**

Sept 13: prelab is open

Sept 15 at 8pm: prelab quiz due; Data and Report are open

Sept 18 at 8pm: report due

Week 5:

Sept 21 – Sept 25: **Visible Spectra and the Nature of Light and Color**

Sept 20: prelab is open

Sept 22 at 8pm: prelab quiz is due. Data and Report lab is open.

Sept 25 8pm: report due

Week 6:

Sept 28 – Oct 2: **Kinetics of Iodine Clock Reaction**

Sept 27: prelab is open

Sept 29 at 8pm: prelab quiz is due. Data and Report lab is open.

Oct 2 at 8pm: report is due

Week 7:

Oct 5 – Oct 9: **Determination of Equilibrium Constant**

Oct 4: prelab is open

Oct 6 at 8pm: prelab quiz is due. Data and Report lab is open.

Oct 9 at 8pm: report is due.

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Week 8:

Oct 12 – Oct 16: **Buffer Solutions**

Oct 11: prelab is open

Oct 13 at 8pm: prelab quiz is due. Data and Report lab is open.

Oct 16 at 8pm: report is due

Week 9:

Oct 19 – Oct 23: **Determination of Solubility Product Constant**

Oct 18: prelab is open

Oct 20 at 8pm: prelab quiz is due. Data and Report lab is open.

Oct 23 at 8pm: report is due.

Week 10:

Oct 26 – Oct 30: **Le Chatelier's Principle**

Oct 25: prelab is open

Oct 27 at 8pm: prelab quiz is due. Data and Report lab is open.

Oct 30 at 8pm: report is due.

Week 11:

Nov 2 – Nov 6: **Entropy of Borax Dissolution**

Nov 1: prelab is open

Nov 3 at 8pm: prelab quiz is due. Data and Report lab is open.

Nov 6 at 8pm: report is due.

Week 12:

Nov 9 – Nov 13: **Voltaic Cells**

Nov 8: prelab is open

Nov 10 at 8pm: prelab quiz is due. Data and Report lab is open.

Nov 6 at 8pm: report is due.

Week 13:

Nov 16 – Nov 20: **Determination of Amount of Sodium Hypochlorite in Bleach**

Nov 15: prelab is open

Nov 17 at 8pm: prelab quiz is due. Data and Report lab is open.

Nov 20 at 8pm: report is due.

Please note that deviations may become necessary as the semester progresses.

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COURSE POLICIES

The Chemistry Department has developed several policies that seem to work well in this course. Please review these very closely. You'll have an opportunity to voice your opinion on these policies and other aspects of the course when we reach evaluation points during the semester.

Attendance and Participation Policy

It is very important to know that you should NEVER miss a lab. Missing lab or prelab will result in loss of points.

To pass the lab: Students MUST complete at least 8 experiments, minimum of 8 prelabs and 10 lab reports.

Failure to do any of these does not result in an incomplete, it results in a grade of 'F' for the 1212K course.

Course Evaluation and Evolution

Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take time to fill out the online course evaluation.

OTHER POLICIES

Academic Honesty

Please see: <https://deanofstudents.gsu.edu/files/2019/07/Academic-Honesty-Policy.pdf>

AACE

Students who wish to request accommodation for accessibility may do so by registering with the Office of Disability Services. Students may only be accommodated upon issuance by the Office of Disability Services of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought.

Students with special needs should then make an appointment with their lab instructor during the first week of class to discuss any accommodations that need to be made.

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FERPA

In keeping with USG and university policy, this course website will make every effort to maintain the privacy and accuracy of your personal information. Specifically, unless otherwise noted, it will not actively share personal information gathered from the site with anyone except university employees whose responsibilities require access to said records. However, some information collected from the site may be subject to the Georgia Open Records Act. This means that while we do not actively share information, in some cases we may be compelled by law to release information gathered from the site. Also, the site will be managed in compliance with the Family Educational Rights and Privacy Act (FERPA), which prohibits the release of education records without student permission.

Sexual Harassment

In instances of sexual misconduct, the present instructor(s) and teaching assistants, are designated as Responsible Employees who are required to share with administrative officials all reports of sexual misconduct for university review. If you wish to disclose an incident of sexual misconduct confidentially, there are options on campus for you to do so. For more information on this policy, please refer to the Sexual Misconduct Policy which is included in the Georgia State University Student Code of Conduct.

Basic Needs Statement

Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable us to provide resources that we may possess. The [Embark program at GSU](#) provides resources for students facing homelessness.

Campus Carry

The Campus Carry legislation allows anyone properly licensed in the state of Georgia to carry a handgun in a concealed manner on university property with noted exceptions. Information about the law can be found at safety.gsu.edu/campus-carry. It is the responsibility of the license holder to know the law. Failure to do so may result in a misdemeanor charge and may violate the Georgia State Student Code of Conduct.” Please follow the guidelines established by the BOR.