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# PRINCIPLES OF CHEMISTRY II

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CHEM 1212

Dr. Tarushee Ahuja

Spring 2021

## Course Description

Welcome to **PRINCIPLES OF CHEMISTRY II!** This is the second course in a two-semester sequence covering the fundamental principles and applications of chemistry for science majors. This course will provide an opportunity to expand on the basic knowledge obtained in Chem 1211. Topics include phase behavior, intermolecular forces, solution behavior, colligative properties, kinetics, equilibrium, acids and bases, solubility, thermodynamics and electrochemistry.

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

## Assessments

More detailed instructions for course assessments can be found in the Welcome to the Chemistry 1 Module in iCollege.

<u>Task</u>	<u>number and points each</u>	<u>total points</u>
Achieve Homework	14 (10 points each)	140 +10 (surprise)
Chapter Quizzes	Best 12 of 14 (25 points each)	300
Final Exam		150
Laboratory		200
		<b>800 points</b>

## Grade Breakdown

Points	Percent	Letter Grade
760 - 800	95% - 100%	A+
720 - 759	90% - 94%	A
696 - 719	87% - 89%	A-
680 - 695	85% - 86%	B+
640 - 679	80% - 84%	B
624 - 639	78% - 79%	B-
584 - 623	73% - 77%	C+
520 - 583	65% - 72%	C
480 - 519	60% - 64%	C-
456 - 479	57% - 59%	D
<456	<57%	F

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# COURSE INFORMATION

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Note that this is a 100% online course. Here are a few tips to get you started:

## How Do I Contact You?

Please email me at [tahuja1@gsu.edu](mailto:tahuja1@gsu.edu) only. **Please do not email me on icollege.** On weekdays emails will be responded to in 1 to 1.5 days. This does not include weekends.

I will be available during class time MWF 12.30am – 1:20pm, and hold scheduled office hours TBA.

WebEx meetings can be requested and scheduled in a case by case basis if necessary.

All WebEx sessions might be recorded. All Webex meetings will take place here:

<https://gsumeetings.webex.com/meet/tahuja1>

## How Do I Access My Course?

You can login to your course via [iCollege](#). Our page is:

### **Principles of Chemistry II XLS GROUP Z5 SPRING SEMESTER 2021**

All videos for the lectures will be posted in the Modules. Please check this page often for frequent announcements. Homework will be administered on Achieve. Weekly quizzes will be administered on icollege.

If you need more help, you can review the Welcome to iCollege help-guide.

## What Are The Required and Optional Materials?

The following resources are required for this course:

### Text:

Open stax Chemistry version 2e: <https://openstax.org/details/books/chemistry-2e>

### Homework:

Achieve Essentials for General Chemistry (1-Term Access) ISBN: 9781319399900

### Optional problem sets:

The following resources is highly recommended for this course:

"Preparing for your ACS Examination in General Chemistry Second edition" ISBN: 978-1-7327764-0-1

## Are There Any Required Meetings?

This course is mostly asynchronous. There will be synchronous meetings each class time, MWF 12:30 pm to 1:20 pm here:

<https://gsumeetings.webex.com/meet/tahuja1>

These lectures will be taped and attendance is not mandatory.

## 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. I also have specific tips for this course located in the Welcome Module once you login to the course.

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# PLAN

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Although this is an online course, we do have a set schedule. Please note that deviations may become necessary as the semester progresses. You'll want to refer to the calendar below frequently as we work together. I've also designed the iCollege course in such a way to help us all stay on track. If this is your first time taking an online course, you'll want to review the [Online Time Management Essentials](#) guide on CETLOE's webpage.

This course is divided into 14 Modules. You'll have 1 week to complete each Module. For detailed information about what's required for each Module, visit iCollege and check out the Module Introductions. While you're working, I'll also be working hard to give you quality feedback and grade your assessments by the dates indicated below.

How much time do you need to spend working on this course? **Well, since this is a 3-Credit Hour course GSU recommends that you spend around 3 hours or more per week interacting with readings, videos, and other sorts of content and then 3 hours per credit hour per week completing activities and assessments.**

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**Please talk to your instructor and your advisor before withdrawing from this course. We care about your success and are here to discuss your options with you. The last day to withdraw without penalty is March 2<sup>nd</sup>.**

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# SCHEDULE

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**Module 1:**

Homework 1 Due Tuesday January 19 at 8pm (due to holiday)

Chapter Quiz 1: Due Tuesday January 19 at 8pm

**Module 2:**

Homework 2 Due Monday January 25 at 8pm

Chapter Quiz 2: Due Monday January 25 at 8pm

**Module 3:**

Homework 3 Due Monday February 1 at 8pm

Chapter Quiz 3: Due Monday February 1 at 8pm

**Module 4:**

Homework 4 Due Monday February 8 at 8pm

Chapter Quiz 4: Due Monday February 8 at 8pm

**Module 5:**

Homework 5 Due Monday February 15 at 8pm

Chapter Quiz 5: Due Monday February 15 at 8pm

**Module 6:**

Homework 6 Due Monday February 22 at 8pm

Chapter Quiz 6: Due Monday February 22 at 8pm

**Module 7:**

Homework 7 Due Monday March 1 at 8pm

Chapter Quiz 7: Due Monday March 1 at 8pm

**Module 8:**

Homework 8 Due Monday March 8 at 8pm

Chapter Quiz 8: Due Monday March 8 at 8pm

**Module 9:**

Homework 9 Due Monday March 15 at 8pm

Chapter Quiz 9: Due Monday March 15 at 8pm

**Module 10:**

Homework 10 Due Monday March 29 at 8pm

Chapter Quiz 10: Due Monday March 29 at 8pm

**Module 11:**

Homework 11 Due Monday April 5 at 8pm

Chapter Quiz 11: Due Monday April 5 at 8pm

**Module 12:**

Homework 12 Due Monday April 12 at 8pm

Chapter Quiz 12: Due Monday April 12 at 8pm

**Module 13:**

Homework 13 Due Monday April 19 at 8pm

Chapter Quiz 13: Due Monday April 19 at 8pm

**Module 14:**

Homework 14 Due Monday April 26 at 8pm

Chapter Quiz 14: Due Monday April 26 at 8pm

**Module 15:**

Final Exam Open Wednesday April 28 8am, due Friday April 30 8pm.

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# COURSE POLICIES

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## Quizzes

Please take exams and quizzes in a quiet, uncluttered testing environment. You are allowed scratch paper, periodic table, and non-programmable calculator during exams. Students should not take exams/quizzes while laying down or when surrounded by lots of people. Remember that you are being recorded. Videos are flagged if you go out of view of the camera, others enter your screen. Please note, during quizzes, **IF I CANNOT SEE YOUR FACE ON THE CAMERA AND JUST SEE THE CEILING, I WILL NOT GRADE YOUR Quiz.** I MUST BE ABLE TO SEE YOUR FACE THROUGHOUT. DO NOT DISABLE FACIAL RECOGNITION.

## Technology Requirements and Support

**You need a personal computer with webcam.** All Quizzes require you to use Lockdown Browser. A link to download the browser will be presented to you when you attempt your first quiz, after that, just open your Lockdown Browser when taking quizzes. Please note: Google Chromebooks are not compatible with the lockdown browser. Google Chrome is the preferred web browser.

## Make-up Policy

**Homework:** all deadlines are firm. If you miss a homework most likely there will be no makeup.

**Chapter Quizzes:** The two lowest quiz grades will be dropped. If you miss more than **two** quizzes, the 2<sup>nd</sup> missed exam will require proper documentation. See:

<http://codeofconduct.gsu.edu/files/2013/03/2013-14-Student-Code-IV.F.-Policy-on-Class-Attendance.pdf>.

This will result in the average all Chapter Exams counting as missing grade.

**Incomplete:** There will be no incompletes given for this course. Poor course performance is not rewarded with an incomplete. Do not ask. If you have a hardship, the Dean of Students is where you go. Please see: <http://deanofstudents.gsu.edu/student-assistance/emergency-withdrawal/>

**Grade bumping:** *There will be no grade changes in this course.* I simply add up the points you earned. I cannot alter what you earned. Unfortunately, there is no score for "hard work". If there are any issues with your grade or course work, you must not email before the *last day of class* to discuss. The day grades are due is a terrible time to address these issues!

## 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.

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## OTHER POLICIES

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### Academic Honesty

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

### AACE

Students who wish to request accommodation for a disability 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 me during the first week of class to discuss any accommodations that need to be made.

### 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](http://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.