

# Georgia State University

## Chemistry 1211K Course Syllabus, Fall 2020

**Instructor:** Dr. Danzhu Wang

### **Communicating with Instructor:**

E-mail: [dwang19@gsu.edu](mailto:dwang19@gsu.edu) (DO NOT SENT TO [dwang19@student.gsu.edu](mailto:dwang19@student.gsu.edu) by mistake!!!)

Step 1. Send email from **your GSU** email account **only**,

Step 2. "Your name and Chem1211" **ON SUBJECT LINE**

**Failure to do so will result in the loss of your message.**

Emails will be replied within 24 hours during the week day. If you sent emails during the weekend, will be replied by following Monday.

Office: Room 215 in Courtland North Building

Webex Office Hours: T/W/TR TBD

### **Important Dates:**

August 24

Classes begin

October 13

Semester midpoint, last day to withdraw with a "W"

November 23-28

**Thanksgiving Break ☺**

December 7

Last day of classes

**Final exam ☹ (TBD)**

### **Course Requirements:**

1. **Text Book (Recommend to use, Free online)** – *Chemistry 2e* by Paul Flowers  
<https://openstax.org/details/books/chemistry-2e>

2. **icollege (Mandatory to use)** – Online Exams, Online homeworks, workshops (all useful info will be on icollege)

3. **ACS Study guide (Recommend to use)** – Preparing for Your ACS Examination in General Chemistry. The Official Guide.

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

4. A scientific **non-programmable calculator**. An example of an acceptable calculator is the Texas Instruments TI-30XA. No Cell Phone can be used as calculator during the exams.

## Course Description

Welcome to PRINCIPLES OF CHEMISTRY I! This is the first course in a two-semester sequence covering the fundamental principles and applications of chemistry for science majors. Topics include composition of matter, chemical reactions, stoichiometry, periodic relations, nomenclature, thermochemistry, electronic structure, chemical bonding, molecular geometry, and properties of gases. I'm looking forward to working with all of you this semester.

Please do 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 (Will be available from August 21, 2020).

## Point Distribution

Best 8 of 9 Chapter Exams (30*8)	240
Homeworks (10*14)	140
Projects (4*5)	20
Final exam (Standardized test)	200
Lab	200
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Total	800

\*You must attend your laboratory section – at the end of the semester your laboratory instructor will give me a list of students in their section and their laboratory grades.

## 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

## **Course Information**

**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 [dwang19@gsu.edu](mailto:dwang19@gsu.edu) only. **Please DO NOT email me on icollege or student.gsu.edu (wrong address).** On weekdays emails will be responded within 24 hours. This does not include weekends.

WebEx meetings can be requested and scheduled in a case by case basis if necessary. All WebEx sessions might be recorded.

### **How Do I Access My Course?**

You can login to your course via iCollege.

All videos for the lectures will be posted in the content folder. Please check this page often for frequent announcements. Homeworks and Exams 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:

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

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 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](#). I also have specific tips for this course located in the Welcome to Chemistry 1 Course Module once you login to the course.

## **Plan**

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.

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.

**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 Oct 13.**

### **TENTATIVE SCHEDULE OF LECTURES AND ACTIVITIES AT A GLANCE**

WEEK & DATE (Modules)	Chapters and Lectures	Tasks
Week 1 Aug 24-28 Module 1	<b>Course orientation And Chapter 1</b>	Homework 1: <b>Due Friday Aug 28 at 8pm</b> Chapter Exam 1: <b>Due Friday Aug 28 at 8pm</b>
Week 2 Aug 31- Sept 4 Module 2	<b>Chapter 2</b>	Homework 2: <b>Due Friday Sept 4 at 8pm</b> Chapter Exam 2: <b>Due Friday Sept 4 at 8pm</b>
Week 3 Sept 7-11 Module 3	<b>Chapter 3 Part I</b>	Homework 3a: <b>Due Friday Sept 11 at 8pm</b> Project 1: <b>Due Friday Sept 11 at 8pm</b> <b>No Chapter Exam this week</b>
Week 4 Sept 14-18 Module 4	<b>Chapter 3 Part II</b>	Homework 3b: <b>Due Friday Sept 18 at 8pm</b> Chapter Exam 3: <b>Due Friday Sept 18 at 8pm</b>
Week 5 Sept 21-25 Module 5	<b>Chapter 4 Part I</b>	Homework 4a: <b>Due Friday Sept 25 at 8pm</b> Project 2: <b>Due Friday Sept 25 at 8pm</b> <b>No Chapter Exam this week</b>
Week 6 Sept 28-Oct 2 Module 6	<b>Chapter 4 Part II</b>	Homework 4b: <b>Due Friday Oct 2 at 8pm</b> Chapter Exam 4: <b>Due Friday Oct 2 at 8pm</b>

Week 7 Oct 5-9 Module 7	<b>Chapter 5 Part I</b>	Homework 5a: <b>Due Friday Oct 9 at 8pm</b> Project 3: <b>Due Friday Oct 9 at 8pm</b> <b>No Chapter Exam this week</b>
Week 8 Oct 12-16 Module 8	<b>Chapter 5 Part II</b>	Homework 8: <b>Due Friday Oct 16 at 8pm</b> Chapter Exam 5: <b>Due Friday Oct 16 at 8pm</b>
Oct 13		If drop class, to receive "WP" no later than Oct 13 at 5:00 pm!!!
Week 9 Oct 19-23 Module 9	<b>Chapter 6</b>	Homework 6: <b>Due Friday Oct 23 at 8pm</b> Chapter Exam 6: <b>Due Friday Oct 23 at 8pm</b>
Week 10 Oct 26-30 Module 10	<b>Chapter 7 Part I</b>	Homework 7a: <b>Due Friday Oct 30 at 8pm</b> Project 4: <b>Due Friday Oct 30 at 8pm</b> <b>No Chapter Exam this week</b>
Week 11 Nov 2-6 Module 11	<b>Chapter 7 Part II</b>	Homework 7b: <b>Due Friday Nov 6 at 8pm</b> Chapter Exam 7: <b>Due Friday Nov 6 at 8pm</b>
Week 12 Nov 9-13 Module 12	<b>Chapter 8</b>	Homework 8: <b>Due Friday Nov 13 at 8pm</b> Chapter Exam 8: <b>Due Friday Nov 13 at 8pm</b>
Week 13 Nov 16-20 Module 13	<b>Chapter 9</b>	Homework 9: <b>Due Friday Nov 20 at 8pm</b> Chapter Exam 9: <b>Due Friday Nov 20 at 8pm</b>
Nov 23-27	<b>Holiday</b>	<b>Thanksgiving Break</b> <b>No class this week ☺</b>
Week 14 Nov 30-Dec 4 Module 14	<b>Final Review</b>	Homework 10: <b>Due Friday Dec 4 at 8pm</b>
Week 15	<b>Final Exam</b>	<b>TBD</b>

## **Course Policies**

### **Make-up Exam Policy**

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

**Chapter Exams:** The lowest exam grade will be dropped. If you miss more than one exam, 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.

### **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 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.