

Chem1050 Course Syllabus Spring 2019

Chemistry for Citizens (Online)

Chemistry 1050

Prerequisite: Basic algebra

Instructor: Dr. Danzhu Wang

Room 215 in Courtland North Building (please use campus map to find location)

Regular Office Hours: T 2:30 am – 4:00 am or By appointment EVERY WEEKS

Online: By email to dwang19@gsu.edu. Emails will be replied within 24 hours during the week day. If you sent emails during the weekend, will be replied by Monday.

Communicating with Instructor:

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

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

Step 2. “Your name and Chem1050” **ON SUBJECT LINE**

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

Textbook and required online participation:

1. **Text Book and Audio presentation (Mandatory to use)** – “An Introduction to Chemistry - Atoms First”; by Mark Bishop, Chiral Publishing Company.

This textbook is available **on line and FREE (click or copy the link ☺, You do not need to pay extra \$20 for using the book, just click on each chapter.):**

http://preparatorychemistry.com/Bishop_Atoms_First.htm

2. **icollege (Mandatory to use)** – Online quizzes and exams, workshops (all useful info and online office hours will be on icollege)

3. **EdPuzzle (Option, Very useful)** – Extra instructional videos are available **online and Free** (click or copy the link to register for our class, please **use your Full name (Last, first name) and GSU email to register**)

<https://edpuzzle.com/join/jetpavr>

Class code: jetpavr

4. Online quizzes/exams, workshop, and activities: **icollege** through GSU or google “icollege.gsu.edu”

All assessments are on line. No make-up tests or quizzes are given. The final exam will be comprehensive exam.

Students are expected to **follow all announcements and schedule of activities as they will be listed in your syllabus**. The basic ideas and principles on these exams come from the book and lecture material and are designed to test a student's: 1) understanding of the concepts and 2) ability to solve problems, as

well as 3) knowledge of the facts. In general, quizzes and exams are designed so that the majority of questions are of medium difficulty, some are relatively easy and some are challenging.

Steps for study online Chem 1050

You will be expected to have done all of the following before taking a quiz or test for credit in ICollege. Follow steps

- A) Check your GSU Email and ICollege daily to make sure you don't miss any announcement
- B) Read the Chapter-Check-List (CCL) for each chapter on ICollege
- C) Read the chapter from E-book based on CCL
- D1) Study the power points provided in ICollege
- D2) Listen to Audio presentations provided in ICollege or E-book
- D3) Need extra help? Go to Edpuzzle of our class to obtain more videos
- E) Complete the End-of-Chapter questions based on CCL
- F) Do workshops from the ICollege to prepare Exams

TENTATIVE SCHEDULE OF LECTURES AND ACTIVITIES AT A GLANCE

DATE AND WEEK	Chapters and Lectures	Activities
Jan 14 Week 1	Course orientation And Chapter 1	Return survey and statement during first week to earn helping pts ☺ (email to dwang19@gsu.edu . Be careful to use correct email address, DO NOT SENT TO "dwang19@student.gsu.edu") Subject line: Chem1050 statement
Jan 21 Week 2	Chapter 2	Quiz 1 available on icollege Jan 25-27 Watch the Edpuzzle videos to earn helping pts ☺ (you don't want to miss it!)
Jan 28 Week 3	Chapter 3	Quiz 2 available on icollege Feb 1-3 Watch the Edpuzzle videos to earn helping pts ☺ (you don't want to miss it!)
Feb 4 Week 4	Chapter 4	Exam 1 available on icollege Feb 8-10 Watch the Edpuzzle videos to earn helping pts ☺ (you don't want to miss it!)
Feb 11 Week 5	Chapter 5	Quiz 3 available on icollege Feb 15-17 Watch the Edpuzzle videos to earn helping pts ☺ (you don't want to miss it!)

Feb 18 Week 6	Chapter 6	Quiz 4 available on icollege Feb 22-24 Watch the Edpuzzle videos to earn helping pts 😊 (you don't want to miss it!)
Feb 25 Week 7	Chapter 7	Exam 2 available on icollege Mar 1-3 Watch the Edpuzzle videos to earn helping pts 😊 (you don't want to miss it!)
Mar 4 Week 8	Chapter 8	Quiz 5 available on icollege Mar 8-10 Watch the Edpuzzle videos to earn helping pts 😊 (you don't want to miss it!)
Midpoint	Mar 5	If drop class, to receive "WP" no later than Mar 5 at 5:00 pm!!!
Mar 11 Week 9	Chapter 9	Quiz 6 available on icollege Mar 15-24 Watch the Edpuzzle videos to earn helping pts 😊 (you don't want to miss it!)
Mar 18—22	Spring break 😊	No class
Mar 25 Week 10	Chapter 10	Exam 3 available on icollege Mar 29-31 Watch the Edpuzzle videos to earn helping pts 😊 (you don't want to miss it!)
Apr 1 Week 11	Chapter 11	Quiz 7 available on icollege Apr 5-7 Watch the Edpuzzle videos to earn helping pts 😊 (you don't want to miss it!)
Apr 8 Week 12	Chapter 12	Quiz 8 available on icollege Apr 12-14 Watch the Edpuzzle videos to earn helping pts 😊 (you don't want to miss it!)
Apr 15 Week 13	Chapters Done! 😊	Exam 4 available on icollege Apr 19-21 Watch the Edpuzzle videos to earn helping pts 😊 (you don't want to miss it!)
Apr 22	Review week	Final Exam available on icollege April 26-29

Semester Midpoint: Mar 5 Final Exam: April 26-29 on icollege

Point Distribution

Best 3 of 4 tests	300
Best 7 of 8 quizzes	100
Final exam (Department standardized test)	100
Help points (You don't want to miss them!)	25
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Total	525

Grading:

<u>%</u>	<u>Grade</u>
97-100	: A ⁺
90-96	: A
87-89	: A-
85-86	: B+
80-84	: B
78-79	: B-
73-77	: C+
65-72	: C
60-64	: C-
57-59	: D
<57	: F

Grades displayed are percentages
Final Grades are out of 500 total Pts.

No make-up examinations or quizzes will be given. Missed examinations will be recorded as a **zero regardless of the reason for absence as the lowest score will be dropped.** The final examination is a standardized, *multiple choice* examination provided by the Department and is normalized. **The Final exam score will not be dropped.**

Class Preparation: Chemistry is a highly structured course. Each topic is based on others previously developed, so it is important that students consistently keep up to date in their studies and assignments.

The best way to learn Chemistry is to work lots of problems!! Definitions must be learned, but to define new terms is only the first step. You will need to learn to work with new concepts, units and principles which are the subjects of end of chapter problems. These problems assume mastery of pertinent definitions and are designed to test your knowledge of the material studied, as well as give an indication of the level of understanding expected of you. Work the problems at the end of each chapter until you are able to solve them without reference to notes or text. Unless otherwise indicated, problems will not be taken up and graded. If problem solving is difficult for you, a helpful book is Programmed Problem Solving for First Year Chemistry by A. B. Loebel.

Planning ahead is a key to success. Your performance in science is a lot better when you study daily. Do not wait until the night before the quiz or exam to begin studying. As you read the material, you must take written notes and underline. Use highlighters or color pens. That will help you throughout the semester and to study for the final. Use the office hours: I cannot help you if you do not approach me with your concerns.

*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.

Students missing an exam will be expected to submit a written note explaining why the exam was missed. Any student presenting falsified documentation will receive an "F" for the course and be referred to the Chemistry Department Chair or Dean of Students for disciplinary action.

The price of success is high. You have to work hard, be persistent, and pay attention to details. These traits are ultimately why a college degree is valuable, plus the capacity to learn. Believe you can succeed. Be willing to pay the price. Accept responsibility for your learning!

Chemistry is a highly structured subject in which each new topic is based on others previously discussed. Therefore, if one topic is not mastered, it becomes increasingly difficult to master those that follow. Missing even one class can lead to problems that the average student cannot overcome. Also, chemistry does not lend itself to "cramming"

The lecture visual aids for the instructor and are not intended to be "the only source of study" for the students. You need to study from the E-textbook for all exams.

Three habits will help in mastering each topic as it arises, as well as reinforcing the mastery of the topics previously covered:

- 1) Read the assigned material before it is covered in lecture,
- 2) Work through the example and practice problems within each assigned chapter
- 3) Work a large number and wide variety of problems "as many end-of-chapter problems as possible". All in-chapter examples and practice exercises should be done. To reward your hard work I might use some of the problems from your book for exams and quizzes.

Chemistry Department Policy on Student Conduct and Integrity: The Georgia State University Policy on Academic Honesty is in force in this course. This includes but is not necessarily limited to infractions in the area of plagiarism, cheating on examinations, unauthorized collaborations, falsification, and multiple submissions. This policy is published in *On Campus: the Student Handbook*, which is available to all members of the university community.

All examinations must represent your individual effort, with no unauthorized aid. To either *give* or *receive* unauthorized information during an examination is cheating, as is the use of *any* unauthorized supplementary material. In addition all laboratory work performed in conjunction with this course must represent your individual effort. Only original data obtained by your own *in-laboratory* experimentation are permitted to be used, except when *expressly authorized* by your laboratory instructor. Data from supplementary sources, handbooks, reference literature, etc. must be *clearly referenced* (title, author, volume, pages(s), etc.). Falsification or destruction of data constitutes cheating as well. Conduct disruptive of class, examinations, or laboratories *or* falsification or destruction of information related to chemistry courses will be taken as a violation of the policies of the Board of Regents of the University System of Georgia and the Georgia State University Student Code of Conduct, Section 6.0. Any

suspected offenses may be referred to the Chairman of the Department or the Dean of Students for appropriate disciplinary action.

The foregoing provides a general plan for the course, deviations from which may be necessary. The instructor will announce any such changes online.