



CHEM 1212 – Principles of Chemistry 2

SUMMER, Session 2, 2020

Co-requisite: CHEM 1212L

This 3-credit hour course is fully online on CourseDen, with live office hours.

General Information

- Instructor** Dr. Farooq A. Khan
Email: fkhan@westga.edu, to be used for urgent communication only
- Technology** Capability to access CoursDen and Google Hangouts, and to scan and upload documents; access to Microsoft Excel/Word/PowerPoint/; pdf files
- Office Hours** Mondays, Thursdays and Fridays (Google Hangouts), 9:30-11 am;
Additional office hours, by appointment
- Communication** Announcements
Please email within CourseDen and post in the Discussion Area (Common Questions/Variou s Topics)
I will make every effort to respond within 24 hours of your email or your post in the Discussion Area (Common Questions/Variou s Topics).

Overview of Course Activities (500 points total)

Please see details on Pages 2 and 3

Activities	Points	Due Dates at 11:59 pm Eastern	Navigation
Syllabus Discussion	10	Monday, June 8	Discussion
Biography Discussion	5	Monday, June 8	Discussion
Pearson Online homework 8 @ 20 points each; the lowest will be dropped	140	Mondays June 8 (2 are due), 15, 22, 29 July 6, 13, 20	Pearson
Quizzes 7 @ 20 points each; the lowest will be dropped	120	Tuesdays June 9, 16, 23, 30 July 7, 14, 21	Assessments
Examinations 3 @ 75 points each	225	Wednesdays June 17; July 1, July 15	Assessments

Course Policies

Learning Outcomes

Students are expected to acquire a basic understanding of the following topics: intermolecular forces, solutions, kinetics, equilibria, thermodynamics and electrochemistry. They are also expected to acquire an awareness of the role of Chemistry in everyday life. Students will also learn to apply the scientific method in simulated laboratory activities in the concurrent course, CHEM 1212L, virtually collect and analyze data and formulate appropriate conclusions from data analyses and communicate their findings.

Letter Grades

Score $\geq 90\%$ A; 89-78% B; 77-67% C; 66-55% D; $< 54\%$ F

Written work

Please use standard American English. Please ask – would your professor in ENGL 1101/1102 be happy to read your work? I suggest writing using Word, saving your work frequently, for all your work.

Submission of work, including late work

Late work will not be accepted, and will be awarded zero credit, unless there is an emergency that is appropriately documented.

Policy on cheating

Occurrences of cheating are rare. However, cheating by one individual raises questions about fairness for the rest of the class, and indeed, endangers the honor code that governs our examination system. It is after considerable thought that I have arrived at the following formula. If an individual cheats on a quiz/homework/examination for the first time, he/she will obtain a score of zero for that particular quiz/homework/examination. If an individual is caught cheating a second time during the semester, he/she will receive a grade of F for the entire course.

Resources for Students with disabilities

The Office of Accessibility Services at the University of West Georgia is committed to providing access to campus resources and opportunities to allow students with disabilities to obtain a quality educational experience at UWG.

Please see the site:

<https://www.westga.edu/student-services/counseling/accessibility-services.php>

Common Syllabus Items at UWG

Please refer to the site below for information on **academic support, honor code, email policy, credit hour policy and HB 280 campus carry policy**:

<https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php>

Description of Activities

General

CourseDen will be used as the platform for announcements, course materials, email and online discussions, as well as quizzes and examinations. Pearson will be used for online homework.

Textbook/Topics

Chemistry: Structure and Properties, Tro 2nd Edition (must include Registration Code for Mastering Chemistry). **The following is the tentative schedule, with one unit per week:**

Unit	Topics	Chapters (from your textbook)
1	Polarity; Liquids solids and inter-molecular forces	5 and 11
2	Solutions	13
3	Chemical Kinetics	14
4	Chemical Equilibrium	15
5	Acids and bases	16
6	Aqueous Ionic equilibrium	17
7	Free Energy and Thermodynamics	18
	Electrochemistry	19

Discussion Topic: Syllabus

Please read the syllabus, and post a question relevant to the course. This will also serve as your required participation in the first week of the course. **Missing this assignment will result in an automatic withdrawal from the course.**

Discussion Topic: Biography

In approximately 200-250 words, introduce yourself to the class. Please see your instructor's biography as a representative example.

Online Homework

Online homework will be given every week, which is due on Mondays at 11:59 pm. Please go to the site: <http://www.pearsonmylabandmastering.com>. The course ID is khan46749. Each homework set will be open for one week. Please print and use for quizzes and examinations.

Quizzes

Online quizzes will be given every week, and are due on Tuesdays at 11:59 pm. Each quiz will be available for three days, Sunday morning through Tuesday night. **However, once the quiz is opened, you will only have 60 minutes to complete it.**

Examinations

Online examinations will be given three times during the semester: June 17; July 1, and July 15. Each examination will be available for three days, Monday morning through Wednesday night. **However, once the examination is opened, you will only have 120 minutes to complete it.**

Strategy for studying

The course is divided into seven units on CourseDen. For each unit (generally one chapter in your textbook, sometimes two chapters); please follow this suggested order:

- View the videos of concepts and solved examples;
- Browse through abbreviated PowerPoint notes;
- Attempt the solved examples provided in a PowerPoint;
- Read the textbook and attempt the solved examples;
- Do the Pearson online homework; and
- Take the Unit quiz.

It is a good practice to attempt any given solved example on your own before you look at the solution. **Please take your assigned work seriously; I will make every effort to anticipate difficulties in the online learning environment and be helpful during my office hours!**