



CHEM 1212L – Principles of Chemistry 2 Laboratory

SUMMER, Session 2, 2020

Co-requisite: CHEM 1212

This 1-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 (400 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	10	Monday, June 8	Discussion
Laboratory Reports 7 @ 50 points each; the lowest will be dropped	300	Mondays June 8, 15, 22, 29 July 6, 13, 20	Assignments
Essay outline	20	Tuesday, June 23	Assessments
Essay	60	Tuesday, July 7	Assessments

Course Policies

Learning Outcomes

1. To communicate chemistry with clarity. Attainment of this learning outcome will be reflected by the students' abilities to:
 - Follow oral and written instructions to successfully complete virtual laboratory assignments and data analyses; and
 - Write formal laboratory reports as chemists write.
2. Use appropriate scientific tools to acquire data virtually, process and analyze information, and communicate results.

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 submission of assignments.

Textbook/Kits

None.

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.

Activities (Please see page 4)

Activities of two kinds will be conducted:

- Analysis of data, primarily using Microsoft Excel;
- Virtual laboratories

Laboratory Reports

One laboratory report will be due each Monday starting on June 8 at 11:59 pm, based on activities conducted each week.

Essay

Write an essay on any chemical/biological aspect of COVID-19, using the concepts discussed in CHEM 1211/1212 or the accompanying laboratories.

- An outline (200 words approximately), excluding references is due on Tuesday, June 23.
- The essay (1000 words approximately), excluding references and figures is due on Tuesday, July 7.

I will give ONE opportunity for submitting revised work.

General comments on the learning environment

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!

Tentative schedule of Activities

Please see descriptions under Content for Activities 3-9

Activity Number	Activity	Navigation	Due date Mondays; 11:59 pm
1	Syllabus Discussion	Discussion	June 8
2	Biography Discussion	Discussion	June 8
3	Excel Data Analysis	Dropbox	June 8
4	Heating curve & Colligative Properties	Dropbox	June 15
5	Kinetics	Dropbox	June 22
6	Qualitative Analysis	Dropbox	June 29
7	The Chemistry of Hand Sanitizers and Soaps	Dropbox	July 6
8	pH and Buffers	Dropbox	July 13
9	Titrations	Dropbox	July 20