

**Western Kentucky University**  
**Department of Chemistry**

**CHEM 222: College Chemistry II**  
**Summer 2020**

<b>Lecture</b>	<b>Professor</b>	<b>Office Hours</b>
Web Course: Lectures recorded on BlackBoard	Dr. Darwin Dahl KTH 4012 745-5074 darwin.dahl@wku.edu	Zoom sessions will be stated

**Course Description**

This is a continuation of the first year course in chemistry for science majors and minors. A partial list of topics includes: solutions, reaction kinetics, chemical equilibrium, solubility, pH of acid/base/buffer solutions, thermodynamics, oxidation/reduction reactions, fundamentals of nuclear chemistry and introduction to organic chemistry.

**Enrollment Requirements**

Fall enrollment or previous credit in Chem 223

Previous credit in Chem 120 and 121 (or equivalent) with a grade of “C” or better

**Text**

*One Day Access;*

Textbook: “Chemistry” by Openstax

*Note: The eBook is free and linked through Blackboard. Purchase of a print copy is optional.*

**Homework:** *Sapling Instructions*

- Follow the Sapling Learning link from your instructor’s course page.
- For initial registration, your Sapling Learning homework must be accessed through that link. After logging in once using this link, you can log in to subsequent sessions from your instructor’s course page or from the Sapling home page.
- If you already have a Sapling account, enter your username and password in the login box. If the login box is disabled, scroll down to the Create an Account portion of the page, fill in the missing info and click Create My Account.
- You’ve been automatically enrolled into the appropriate homework course on Sapling Learning and will be directed to your course page.
- Enter the key code: \_\_\_\_\_(if required)
- Review the [system requirements](#) and confirm that Flash is updated and enabled in your browser.

**Need Help?** The technical support team can be reached by phone, chat, or by email via the Student Support Community. To contact support please open a service request by filling out the webform: <https://macmillan.force.com/macmillanlearning/s/contactsupport>

#### **Additional Materials**

Scientific Calculator i.e., TI 30X or equivalent

#### **Minimum Expectations of Every Student**

1. Review every class meeting
2. Ask questions inside and outside of class on material confusing to you
3. Read every chapter at least once
4. Work all suggested problems (and perhaps a few more!)
5. Spend a minimum of four (4) hours after every class meeting studying chemistry by reading the text, working problems, and reviewing your notes

#### **Grading**

4 Exams (100 points each)	400 points
<b>Homework (Sapling)</b>	100 points
<u>6 Quizzes (best 5)</u>	<u>50 points</u>
<b>Total</b>	<b>550 points</b>

#### **Final Grades will be assigned as following:**

A- 89-100 %  
B- 79-88  
C- 69-78  
D- 59-68  
F- 58 or less

#### **Exam Schedule**

Exam 1	<b>Chapters: 11, 12</b>	July 17, Friday
Exam 2	<b>Chapters: 13, 15</b>	July 24, Friday
Exam 3	<b>Chapters: 14, 16</b>	July 31, Friday
	<b>Chapter: 17</b>	on Final
<b>Final Exam</b>	<b>Comprehensive</b>	<b>Aug 7, Friday</b>

## Course Coverage

Chp 11: Solutions  
Chp 12: Chemical Kinetics  
Chp 13: Chemical Equilibrium  
Chp 15: Solubility Equilibria  
Chp 14: Acid-Base Equilibria  
Chp 16: Thermodynamics  
Chp 17: Electrochemistry

*I will hold question/answer sessions T and R from 9:00-am to 10:00 am via Zoom*

## Missed Exams

Make-up exams will not be given. An unexcused absence will result in a zero. An excused absence will result in having the Final Exam grade substituted for the missed exam and can only be done for one exam. Dr. Dahl must be notified 24 hours ahead of the exam and must be an acceptable excused absence for credit to be given.

If you have a course or a University-sponsored event scheduled that will be in conflict with an exam, you will be offered an alternate exam at an earlier time provided verification of your event. One week's notice is required for permission to take an earlier alternate exam. Work schedules or any other activities not listed are not acceptable reasons for an alternate exam.

## Policies

A. Accommodations: In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, 1074. SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at [sarc.connect@wku.edu](mailto:sarc.connect@wku.edu). Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.

B. Academic Integrity: Academic Dishonesty - Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the course work in which the act is detected or a failing grade in a course without possibility of withdrawal. The faculty member may also present the case to the Office of the Dean of Student Life for disciplinary sanctions. A student who believes a faculty member has dealt unfairly with him/her in a course involving academic dishonesty may seek relief through the Student Complaint Procedure.

Cheating - No student shall receive or give assistance not authorized by the instructor in taking an examination or in the preparation of an essay, laboratory report, problem assignment or other project, which is submitted for purposes of grade determination.

<http://www.wku.edu/undergraduatecatalog/>

C. University Attendance Policy: Registration in a course obligates the student to be regular and punctual in class attendance. Excessive absenteeism frequently contributes to poor academic achievement. Excessive absenteeism may result in the instructor's dismissing the student from the class and recording a failing grade, unless the student officially withdraws from the class before the withdrawal deadline. <http://www.wku.edu/undergraduatecatalog/>

CHEM 120 Course Attendance Policy: Attendance is mandatory. (N/A)

D. Title IX Misconduct/Assault Statement: Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU's Title IX Sexual Misconduct/Assault Policy (#0.2070) at <https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf> and

Discrimination and Harassment Policy (#0.2040) at [https://wku.edu/policies/hr\\_policies/2040\\_discrimination\\_harassment\\_policy.pdf](https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf).

Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121.

Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are "Responsible Employees" of the University and **MUST** report what you share to WKU's Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU's Counseling and Testing Center at 270-745-3159.