CHEM&121 Policies & Grading

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## Section 1: Course Description

Chemistry 121 is a survey of inorganic chemistry for nursing and allied health sciences. Topics include atomic structure, bonding, periodicity, stoichiometry, gases, equilibrium, solution chemistry, acids, bases, buffers, and nuclear chemistry. Lab work required.

IMPORTANT NOTE: A fundamental aspect of chemistry is problem solving. There will be word problems and a basic knowledge of algebra is **required**. We will be reviewing some math skills early on in the course that are necessary for your success. Chemistry is cumulative so we will constantly be building on previous knowledge. This is why it is very important to study outside of class and speak up if there is something you do not understand. To successfully complete this course, you must put in the time to learn and **practice**.

## Section 2: Course Format:

You will find that this course is different than some other introductory science classes and from many other classes in general! Traditional lectures and slide presentations have been recorded so that you can listen to them at a time and place that works for you (and as often as you like). Instead, on-campus class time will consist of two-way conversations, group activities, and more individualized help than in lecture-based classes. This "active learning" will be more fun than solitary work at home -- and data show that a "flipped" classroom can lead to higher student grades and greater student learning satisfaction.

**Less time in the classroom does not mean less work in the class.** The online work is just as crucial as our face-to-face work together each week. Students are expected to take responsibility for their own learning and their own progress. For many of you this will seem strange at first and you'll feel like you spend inordinate amounts of time online. Keep reminding yourself of the time you're NOT spending in a classroom.

### Some essentials for succeeding in this blended/hybrid class:

* You must have daily access to the Internet
* You must use the Canvas site regularly between classes to keep up and to learn effectively.
* Be sure you have a back-up plan for when your computer breaks down or the library is closed (see online submission policy). Not being able to access a computer is not a legitimate excuse for not doing the assigned work on time.
* Pat attention to the due dates and the reminders in Canvas.
* Ask for help from colleagues, from the instructor, from our eLearning Office depending on what kind of help you need.

### Why is This Course in a Hybrid Format?

1. To promote active, self-directed learning by providing you with an effective combination of in-class and online learning.

2. To use reduced face-to-face time more efficiently to focus on the course material and activities most effectively present in a face-to-face format.

3. To provide you with more flexibility to do more work from home and to complete online learning activities at times that best suit your weekly schedule and scheduling preferences.

#### Suggested Weekly Schedule

Tuesday - Monday: Watch recommended videos and go through lecture notes, do lab prep (pre-labs and reports)

Monday: Take concept quiz (graded)

Tuesday: Face-to-face session, group work, questions answered, exams

Wednesday: Lab session

Tuesday - Friday: homework (graded)

Friday: Take quiz (graded)

## Section 3: Expectations

### My expectations of you, the student:

1. Read, study, and outline the material to be discussed in class ahead of time and be prepared to answer questions in class.
2. Work through example problems and questions in the text with the knowledge that some of them may be used in exams.
3. Complete the homework.
4. Attend each class and pay attention. Ask questions and participate.
5. Seek help when you need it, and before the end of the quarter.
6. Make the material relevant to your life. Make connections between the material and your life.

It is up to you how much time you put in and your success should reflect your effort.

### Your expectations of me, the instructor:

1. I will try to stay on schedule.
2. Prompt reply to questions outside of class (see communication policy).
3. Multiple methods of communication should schedule change from tentative schedule.
4. Return of graded material in a timely manner.

A safe and open learning environment. Please feel free to come talk to me if there is something you would like to address in private.

## Section 4: Grading Breakdown

This class is not weighted nor curved. All assignments will be graded for correctness, not just completion. If your final exam percentage is higher than any of your previous exams, I will replace the lowest exam percentage with your final exam percentage. The final exam is cumulative and you will be allowed one note card (provided by me). Your lowest homework, lab, and quiz grade will be dropped.

Homework 10 points each

Lab Work 20 points each

Quizzes 10 points each

Exams 50 points each

Final Exam 100 point

Final course grades are determined by the following grade distribution:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| % | Grade |  | % | Grade |  | % | Grade |  | % | Grade |  | % | Grade |
| 95 | 4 |  | 86 | 3.3 |  | 79 | 2.6 |  | 67 | 1.9 |  | 56 | 1.2 |
| 94 | 3.9 |  | 85.5 | 3.2 |  | 77 | 2.5 |  | 65 | 1.8 |  | 55.5 | 1.1 |
| 93 | 3.8 |  | 84 | 3.1 |  | 76 | 2.4 |  | 64 | 1.7 |  | 54 | 1 |
| 92 | 3.7 |  | 83 | 3 |  | 75 | 2.3 |  | 63 | 1.6 |  | 52 | 0.9 |
| 91 | 3.6 |  | 82 | 2.9 |  | 74 | 2.2 |  | 61 | 1.5 |  | 51 | 0.8 |
| 89 | 3.5 |  | 81 | 2.8 |  | 71.5 | 2.1 |  | 59 | 1.4 |  | 50 | 0.7 |
| 88 | 3.4 |  | 80 | 2.7 |  | 68.5 | 2 |  | 58 | 1.3 |  | <50 | 0 |

## Section 5: Policies

### Attendance Policy

Attendance is mandatory. There is no such thing as an “excused” absence. However, I am aware that sometimes, things come up. In case of a nonemergency, if you know you are going to miss class, you **must** email me **before** class. Any work must be submitted **prior** to the absence. In case of an emergency, you must email me at the earliest opportunity. A doctor’s note will be required for any health related emergencies.

### Lab Policy

Laboratory attendance is **required** to pass the course. **If you miss 3 labs you will receive an automatic 0.0 for the course.** You must be prepared before entering lab. You must be dressed appropriately, **ALWAYS** wear safety goggles, closed-toe shoes, and long pants**.** You will be expected to enter lab and work in an efficient and safe manner. You will be graded on your behavior in lab. Safe lab practices are very important and this is the time and place to cultivate those skills. The lab exercises are meant to train you in safe, accurate, standard laboratory procedures. Lab material supplements lecture material though they may not always be in synch. It is important to have read the procedure completely before beginning the experiment so as not to become a safety hazard for others. You must be fully involved in the lab procedure, not simply a passive observer.

* If you are more than **five minutes** late or without the appropriate attire you will not be allowed to participate and will receive a zero for that lab.
* You must have completed the pre-lab assignment before the **BEGINNING** of lab each week. If you come to lab without a completed pre-lab you will not be allowed to participate and you will receive a zero for that lab.
* I will collect the lab report ONE week following the experiment.

### Homework Policy

We will be using an online homework program called Sapling Learning. This has been chosen due to its simple interface and user-friendly problems. Sapling offers instantaneous feedback, multiple attempts, and hints.

Once you have registered and enrolled, you can log in at any time to complete or review your homework assignments. During sign up – and throughout the term – if you have any technical problems or grading issues, send an email to [support@saplinglearning.com](mailto:support@saplinglearning.com) explaining the issue. The Sapling support team is almost always more able (and faster) to resolve issues than your instructor.

To sign up for Sapling:

<http://bit.ly/saplinginstructions>

Be smart about doing homework problems

* Identify homework problems you don’t understand and get help – from the instructor during office hours, or from other students or tutors

Work in a group. Other people can help you understand things more quickly, and if you explain something to someone else, you will understand it more deeply. (Do your own work, however; see our Academic Honesty policy below.)

### Late work Policy

Late work will not be accepted. There will be no make-ups for quizzes, exams, or labs.

### Extra Credit Policy

I do not offer extra credit assignments. There may be some opportunities for a few points of extra credit, but they will be random.

### Communication Policy

Please allow 24 hours for a response. If I have not responded after 24 hours, please resend the email. These emails are considered professional correspondence, so please be sure to include your full name and be specific about your inquiry. For example, if you have a question about a homework problem, you will need to reference the assignment, chapter number, and problem number before I can offer any assistance.

### Online Submission Policy

Homework will be submitted electronically on Sapling. Assignments will not be accepted via email or by any other means for credit. If there are technical issues with a submission, please email me a screen shot of your work with a time stamp to show that you have completed the assignment on time. Then, reach out to the following resources to fix the problem: for homework - [support@saplinglearning.com](mailto:support@saplinglearning.com). The screenshot email is not a replacement for your assignment. The assignment must be submitted in Sapling within 2 days of the due date. A Help Desk Ticket number must accompany late submitted work to be eligible for the two-day extension.

Quizzes and exams will be submitted through Canvas. Assignments will not be accepted via email or by any other means for credit. If there are technical issues with a submission, please email me a screen shot of your work with a time stamp to show that you have completed the assignment on time. The screenshot email is not a replacement for your assignment. A Help Desk Ticket number must accompany late submitted work to be eligible for the two-day extension.

### Digital Device Policy

Any digital devices such as cell phones must be silenced or turned off for the duration of class time. Cell phones are not calculators and will not be allowed for exams or labs.

## Section 6: Important Dates

Sept 18 First Day of Quarter

Sept 20 Last day to add with Instructor’s signature

Sept 22 Last day to receive 100% tuition refund

Sept 29 Last day to change to credit, Last day to withdraw without a W

Nov 10 Veteran’s Day, No School

Nov 13 Last day to change to audit, Last day to withdraw

Nov 20-24 Thanksgiving Break (No Class)

Dec 5-7 Finals

Tentative Lecture Schedule CHEM121

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week (Tues)** | **Chapter** | **Lab** | **Homework and Quiz (Fri)** | **Exam (Sat-Sun)** |
| 1  Sept 19 | 1 Matter and Measurement | Safety, check in, Balance Practice |  |  |
| 2  Sept 26 | 2 Atoms and Periodic Table | Elements, Compounds | Ch 1 |  |
| 3  Oct 3 | 3 Ionic Compounds | Measurement & Density | Ch 2 |  |
| 4  Oct 10 | 4 Covalent Compounds | Paper  Chromatography | Ch 3 | Exam 1 (1, 2, 3) |
| 5  Oct 17 | 5 Chemical Reactions | Ionic & Covalent  Properties | Ch 4 |  |
| 6  Oct 24 | 6 Energy and Equilibrium | Molecular Geometry | Ch 5 |  |
| 7  Oct 31 | 7 Gases, Liquids, Solids | Chemical Reactions | Ch 6 | Exam 2 (4, 5, 6) |
| 8  Nov 7 | 8 Solutions | Gas Laws | Ch 7 |  |
| 9  Nov 14 | 9 Acids and Bases | What’s the Solution? | Ch 8 |  |
| 10  Nov 21 | Thanksgiving Break | NONE | NONE |  |
| 11  Nov 28 | 10 Nuclear Chemistry | Acids, Bases, pH, check out | Ch 9,  Ch 10 (12/3) | Exam 3 (7, 8, 9) |
| 12  Dec 4 | Finals | NONE |  |  |