Chemistry 1211 (Leslie, Fall 2019)

Co-requisite CHEM 1211L

Instructor
Logan Leslie
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All contact via email should be through your University of West Georgia email account. While I will check CourseDen messages, my email is by far the fastest and easiest way to contact me.

Class time
M and W: 11:00-12:15

Required

Modified Mastering Chemistry

Modified Mastering Chemistry registration code: leslie87985

www.pearsonmastering.com

An I>Clicker2 or I>Clicker

Office Hours
M: 9:55-10:50 am and 12:30-1:30 pm
W: 9:55-10:50 am and 12:30-2:30 pm
Th: 1:00-4:00 pm
F: 9:55-10:50 am and 1:00-2:00 pm

Learning Outcomes

1. Students will be able to apply knowledge of the properties of energy and matter to describe chemical systems including atomic structure, chemical bonding, gas properties, and thermodynamics.

2. Students will be able to use available data (such as pressure and volume measurements) to be able to determine additional features of materials (such as calculating the number of atoms in a gas present in a container based on that pressure and volume).

3. Students will be able to make predictions of chemical reaction outcomes based on available chemical data available to them by using knowledge of types of chemical reactions and stoichiometry.
4. Students will be able to relate and apply concepts from the course to situations from everyday life.

Grades:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Exams</td>
<td>55% (4 exams)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>15%</td>
</tr>
<tr>
<td>Clicker</td>
<td>10%</td>
</tr>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Workshop</td>
<td>10%</td>
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</tbody>
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Final Grade:

- A: 89.5-100
- B: 79.5-89.4
- C: 69.5-79.4
- D: 59.5-69.5
- F: 0-59.4

Examinations

In class examinations will be given on the following days:

- September 4
- October 2
- October 30
- December 4

The final examination will be given on Wednesday, Dec. 11 11:00-1:00 pm.

The score on the final exam will be used to replace your lowest test score if the final exam score is higher than your lowest test score. This will not be used to replace a grade if it was given to you due to an academic misconduct problem (e.g. copying on the exam).

The final will be the American Chemical Society standardized test which will cover the entire semester. A standard 100 point scale will be used. Make-up exams must be arranged ahead of time and must be taken before the class meeting after the exam. If this is not possible, the final exam score will take the place of your missed exam. No extra time will be given for exams, so please arrive on time. No extra credit will be offered with the exception of possible additional points offered on the exam itself.

Attendance/Clicker questions

You are expected to come to class. This will show up in your clicker grades as they will require you to be in class to complete.

Starting on Wednesday August 21nd you will be expected to have your iclicker with you in class to be able to respond to questions. For clicker questions you will earn 50% of the points by answering the questions and the other 50% based on whether you have the correct answer or not (meaning simply answering the questions earns half credit while getting the correct answer earns
full credit). You will also receive the equivalent of one correct answer for attending the class and answering at least half of the clicker questions (they do not have to be correct).

Your clicker grade will be determined out of 90% of the possible points. This means that your grade will not be negatively impacted by the first 10% of the clicker score. This means that missing one or two days will still allow for a score of 100% for this portion of the grade. If there are extenuating circumstances that will cause you to miss a significant amount of class for an excused reason (as opposed to a single day) you will need to let me know and we will need to discuss an alternative for you.

**Homework**

There will be required homework assignments given in this course. With the exception of the week of an exam, there will be an assignment made each day that will be due the following Monday. These assignments will go up an approximately 5:00 pm on days where class is held to give me time to make adjustments to the assignment based on where we got to in class. This homework will be done through Pearson’s Modified Mastering site (link is provided above in the required materials section).

**Chemistry Workshop**

Workshops are an important part of CHEM 1211. In workshops, the large class is broken down into smaller groups. In addition to lectures and co-requisite laboratories, you must attend a workshop that meets once a week outside of class to discuss chemistry problems and improve your understanding of class material.

Workshops are something like study groups, with two prominent differences.

1. Each week’s workshop will go over a set of assigned questions. There will be a workbook available which contains material for each workshop, week by week.

2. Each workshop will be led by a student leader who has had the course previously and who has been trained for undertaking this responsibility. The leader will act more as a facilitator than as a tutor. The purpose of workshops is to build confidence in your own ability to do chemistry problem-solving. Each workshop will be scheduled for a two-hour block of time. Although some workshops will not last the whole two hours, you should plan on putting this amount of time into each workshop if you elect to participate.

**Topics to be Covered:**

Exam 1:
Chapter E: Essentials: Units, Measurement, and Problem Solving
Chapter 1 Atoms
Chapter 2 The Quantum-Mechanical Model of the Atom

Exam 2:
Chapter 3 Periodic Properties of the Elements
Chapter 4 Molecules and Compounds
Chapter 5 Chemical Bonding I
(If time) beginning of Chapter 6 Chemical Bonding II

Exam 3:
Chapter 6 Chemical Bonding II
Chapter 7 Chemical Reactions
Chapter 8 Introduction to Solutions and Aqueous Reactions

Exam 4:
Chapter 10 Gasses
Chapter 9 Thermochemistry

**Common Syllabus Information:**

Students, please carefully review the information at this link:

[https://www.westga.edu/UWGSyllabusPolicies/](https://www.westga.edu/UWGSyllabusPolicies/)

It contains important information pertaining to your rights and responsibilities in this class. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester. This link contains information about such things as the university honor code and class accommodations related to the Americans with Disabilities Act.

**Academic Honesty:**

Plagiarism and cheating will not be tolerated. Students caught cheating will receive a 0 for the assignment and possibly face further disciplinary action. A second occurrence will result in receiving an F for the course in addition to any further action taken by the university.

**Changes to the Syllabus**

The information in this syllabus may be updated or changed during the course. Changes to the course syllabus will be provided via CourseDen announcement.