Chemistry 130 – General Chemistry 1

SPRING 2016

Instructor: Dr. Sheelu Panikkattu

Email ID: chem130p@ku.edu

Office: Malott 3033

Office hours: MWF 10 – 11 am (or by appointment)

Lecture: Budig 110, MWF 8 - 8.50am

Lecture TA: TBA

TA office hours: TBA

Textbook: “Chemistry - A Molecular Approach”

ISBN: 1-323-14972-4 or 978-1-323-14972-0

Online homework and assessment tool: OWLv2 (registration details will be announced on the first day of class and will also be posted on Blackboard). Links to Owl can be found under assignments tab on Bb. You have to connect to OWL using Bb link.

Grading:

<table>
<thead>
<tr>
<th></th>
<th>Points assigned</th>
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<tbody>
<tr>
<td>Post lecture assessment (PLA) (thrice a week)</td>
<td>60</td>
</tr>
<tr>
<td>Homework (weekly)</td>
<td>80</td>
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<tr>
<td>Active learning sessions (six times this semester)</td>
<td>60</td>
</tr>
<tr>
<td>Exam 1</td>
<td>100</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
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<tr>
<td>Exam 3</td>
<td>100</td>
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<tr>
<td>Exam 4</td>
<td>100</td>
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<tr>
<td>Lab</td>
<td>250</td>
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<td>Total</td>
<td>850</td>
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Final letter grades:

- A  90% - 100%
- B  80% - 89%
- C  70% - 79%
- D  60% - 69%
- F  59% and below

No opportunities for extra credit will be provided. HW, PLA and exam scores will not be curved

Examination Schedule:

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Time</th>
<th>TBA</th>
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</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>11th Feb 2016</td>
<td>8-10pm</td>
<td>TBA</td>
</tr>
<tr>
<td>Exam 2</td>
<td>3rd March 2016</td>
<td>8-10pm</td>
<td>TBA</td>
</tr>
<tr>
<td>Exam 3</td>
<td>7th April 2016</td>
<td>8-10pm</td>
<td>TBA</td>
</tr>
<tr>
<td>Exam 4</td>
<td>11th May 2016</td>
<td>8-10pm</td>
<td>TBA</td>
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Note: There will be no exam on 28th April. Exam 4 will be on the day of your final (11th May, from 8 to 10pm). There will be no cumulative final. Every exam will be section based.

There will be no makeup or alternate exam after the scheduled regular exam is over.

In case you have a legitimate reason for missing an exam, you will need to contact the instructor person at least 10 days prior to the exam date. Legitimate reasons include only university related events, other conflicting exams or classes, medical crisis or religious events. Reasons that do not fall under above mentioned categories will not be excused under any circumstances. You will get a score of zero on any exam you miss for reasons that are not excused by the instructor.

Note on calculators: Programmable calculators are not allowed. You should bring to each of the exams a basic scientific calculator. Use of programmable calculators during exams will result in a penalty of 2 points that will be deducted from your exam score. In addition, the calculator will be seized from the student and will be returned only after the exam is over.

Note on test grades: The exam scantrons are machine graded, and the machine is 100% accurate. Because of this, we will not consider requests for re-grading of the scantron sheets. Make sure that the answers you mark on the scantron sheets are the answers you wish to have graded.
Post lecture assessment and homework:

These will be available on OWLv2. Details and schedule will be posted later on Blackboard (Bb) under course documents. You are responsible for keeping track of all assignments and completing them within the scheduled due dates. No student will be excused or provided a second chance for missing to do a PLA or HW.

Active learning sessions: Six times this semester, we’ll work problems in class on some of the more difficult course material, a technique called “active learning.” You are expected to come to class prepared, having completed a short assignment to get you going. (This assignment could be reading parts of your textbook, looking over specific websites, watching videos, and/or short problems, to name a few possibilities) During class, we’ll distribute a handout with problems for you to work either individually or in groups. Your instructors and TAs will be available to help. This doesn’t mean we’ll give you the answers, but we’ll try to address gaps in your understanding wherever you get stuck. In fact, that’s one benefit of active learning—to help you move past roadblocks in your study of chemistry. The in-class handouts are to be returned at the end of the class period and graded for effort and participation. Lastly, note that problems or questions similar to those you see during these sessions can appear on quizzes / exams.

Handouts and lecture material:

Throughout the semester, there will be class information available on the Bb. Check Bb regularly for course related announcements. Lecture slides and worksheets will be posted on this site. The lecture slides are brief (they may not contain everything you will need to know). Most of the material will be covered in detail in class only. It is very important that you develop good note taking skills and attend lectures regularly to be successful in this course. You are advised to bring a copy of the worksheet to class with you.

Use of cellphones, laptops and other devices:

As a class policy, you are prohibited from using cell phones, laptops, tablets or any other electronic devices while the class is in progress. Students must refrain from talking to one another during the lecture to avoid distractions.

Recording of lectures is strictly prohibited and action will be taken if you are found guilty.

Commercial note taking:

Pursuant to the University of Kansas’ Policy on Commercial Note-Taking Ventures, commercial note-taking is not permitted in CHEM 130. Lecture notes and course materials may be taken for personal use, for the purpose of mastering the course material, and may not be sold to any person or entity in any form. Any student engaged in or contributing to the commercial exchange of notes or course materials will be subject to discipline, including academic misconduct charges, in
accordance with University policy. **Please note:** note-taking provided by a student volunteer for a student with a disability, as a reasonable accommodation under the ADA, is **not the same** as commercial note-taking and is **not** covered under this policy.

**Emailing the instructor:**

Emails sent to the instructor’s personal ID will not be addressed or replied to. Only the course email ID shall be used for all correspondences. *Emails are to be used for administrative purposes only.* If you have doubts about the material or need additional explanation of the concepts or problems, you are advised to meet the instructor or the TA *before/after class, during office hours or take an appointment.*

**Practice problems:**

Suggested practice problems for each chapter will be posted online. These problems are selected from the textbook and can be found at the end of each chapter. Answers to these problems can be found at the end of the textbook. These problems are for practice purposes only and not for credit.

**Practice quizzes:**

After completion of each chapter a practice quiz will be posted on Bb. You may use these quizzes for additional practice. Answers to quiz problems will be posted few days before each exam. No detailed solution will be posted.

**FREE helpful resources for students:**

PLUS General Chemistry-Peer Led Undergraduate Supplement

PLUS sessions are an additional resource that is available to all students this semester. PLUS sessions are designed to help students master the concepts and problem solving skills needed to be successful in general chemistry and upper-level chemistry courses. Students who attend PLUS sessions each week generally score higher than the class average on exams. The interactive PLUS sessions are run by students who have been successful in chemistry in the past. The sessions are offered multiple times each week and cover the previous week’s lecture material. It is recommended that you attend one PLUS session per week. **In addition, at least one question from the PLUS packets will appear on each exam** so please make use of this free valuable resource. Schedule for PLUS sessions will be posted later on Bb.

**Help room:**

Lab TA’s will be available everyday during scheduled times in the help room to answer your queries and assist you with help related to the subject. Help room schedule will be posted later on Bb.
**Laboratory:**

Learning the proper laboratory skills is essential to being a successful chemist. You need to go to each lab prepared to do the assigned experiment. Read the experiment **before** you go to the laboratory and make sure you have some idea of what you need to do. Your laboratory teaching assistant will help you throughout each experiment. See separate website sheet for additional scheduling information. Students are required to pass an online safety examination before being allowed to participate in the laboratory experiments. More details will be given in class.

**Laboratory Director:** Dr. Roderick Black, 2021 Malott, 864-3481, rsblack@ku.edu

(Regulations must be addressed to Dr. Black only)

**Laboratory Safety:**

Follow the link to Safety Regulations for Chemistry Lab on the Chemistry Lab website, and review these Regulations often. Chemistry Department-approved **full-coverage goggles** must be worn at all times. If a student is found not wearing goggles at any time while laboratory work is being conducted anywhere in the room, this student will receive a warning or a grade penalty, and may be asked to leave the room. Laboratory students must wear **long pants**. It is not acceptable to wear shorts of any kind, Capri pants or intermediate-length pants of any kind, or skirts. Shoes must cover the entire foot. Open-toed shoes, open-heeled shoes, sandals, or shoes containing holes are not acceptable. (If a student's attire fails to meet these guidelines because of religious or cultural requirements, the student must contact the instructor in advance of the lab period.)

**Student Rights and Responsibilities (CSRR).”**

It is perfectly OK--and strongly encouraged--to study and work problems with others outside of class and to discuss lab procedures, results and interpretations with others, both during and outside of lab. It is essential; however, that the data you report be yours and as you observed it and that all the write-ups are in your own words.

**Notes on Academic Misconduct:**

It is expected at the University of Kansas that students adhere to high standards of personal and scientific integrity. In scientific endeavors the same is also expected. Science cannot work without honest reporting of data and the proper attribution of authorship. The following statements are given as reminders of the expectations for this class and the labs:

"Cheating, or the appearance thereof, including giving or receiving help on an exam, looking at another student’s paper while taking an exam, falsifying exam papers, using unauthorized materials, notes, crib sheets, or the equivalent, etc., faking laboratory data, reporting other people’s results as your own, etc., are not acceptable and will be dealt with in accordance with published University regulations."
“Students who engage in disruptive behavior, including persistent refusal to observe boundaries defined by the instructor regarding inappropriate talking, discussions, and questions in the classroom or laboratory may be subject to discipline for non-academic misconduct for disruption of teaching or academic misconduct, as defined in the Code

**Students with Disabilities:**

"The Academic Achievement and Access Center (AAAC) coordinates academic accommodations and services for all eligible KU students with disabilities. If you have a disability for which you wish to request accommodations and have not contacted the AAAC, please do so as soon as possible. They are located in 22 Strong Hall and can be reached at 785-864-4064 (V/TTY). Information about their services can be found at [http://www.disability.ku.edu](http://www.disability.ku.edu)"

Please contact the AAAC privately in regard to your needs in this course