Syllabus

CHM 1032.0001 General Chemistry Fall 2013

Instructor: Dr. Swadeshmukul Santra
Office/Phone: 12424 Research Parkway, Room 425 Research Pavilion / (407) 882-2848
E-mail: ssantra@mail.ucf.edu

Class Time/Room: 2:30 p.m. - 3:20 p.m. Monday, Wednesday and Friday in HPA1 Room 0112 (attendance required).

Office Hours/Room (On campus): Monday and Wednesday 12:50 p.m. - 2:20 p.m. in CH207 (Chemistry bldg.) and also by appointment.

GTAs:

<table>
<thead>
<tr>
<th>Xinglei Liu</th>
<th><a href="mailto:liuxinglei007@knights.ucf.edu">liuxinglei007@knights.ucf.edu</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Xiaoyan Lu</td>
<td><a href="mailto:lvxy3344@knights.ucf.edu">lvxy3344@knights.ucf.edu</a></td>
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Course Objective: Understanding the basic concepts of chemistry with emphasis on problem solving and health science related applications. Topics include matter and energy, atoms and elements, molecules and compounds, chemical composition, chemical reactions, electronic structure and periodic table, chemical bonding, intermolecular forces, chemical equilibrium and oxidation and reduction.


Mastering Chemistry Course ID: MCSANTRA93970

Grading:

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>4 Tests = 60%</td>
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<tr>
<td></td>
<td>Final Exam = 25%</td>
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<tr>
<td>Homework (13%) and Quizzes (2%) = 15%</td>
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<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>90% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>85% - 89%</td>
<td>B+</td>
</tr>
<tr>
<td>75% - 84%</td>
<td>B</td>
</tr>
<tr>
<td>70% - 74%</td>
<td>C+</td>
</tr>
<tr>
<td>60% - 69%</td>
<td>C</td>
</tr>
<tr>
<td>50% - 59%</td>
<td>NC*</td>
</tr>
<tr>
<td>Below 50%</td>
<td>F</td>
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* The NC grade allows you to take the class again.

Calculator Policy: Only basic and scientific calculators (without graphing functions) are used for exams in class. Graphing calculators, PDAs, cell phones, or other programmable devices used as calculators are not permitted for exams in class.
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• Tests are computer-graded, multiple-choice format, inclusive of calculations/conceptual questions taken from lectures, discussions, course textbook (exercises, examples, suggested end of chapter problems) and other course resource materials.

• All exams will be given during regularly scheduled class time. **There are no make-up exams given. In the event an exam is missed, your grade on the final exam will substitute for one missing grade. In the event that your grade on the final exam is higher than the lowest regular exam grade, your grade on the final exam will substitute for the lowest grade.**

• The time limit for regular exams is 40 minutes. The exams will be given on **September 16, October 4, October 23 and November 18, 2013.** The final exam is multiple choice, cumulative and it is mandatory. **Missing the final exam will result in an automatic “F” grade.** The final exam will be given on **Wednesday, Dec 04, 2013 from 1:00 pm to 3:50 pm** in HPA1 Room 0112.

*Use the raspberry (red) NCS Scantrons on all exams. Bring a Number 2 pencil and photo ID to all exams. Scantrons and pencils will not be provided.*

**Homework:**

• The homework assignments for each chapter are available in the **Assignments** section for the class website on Mastering Chemistry. These assignments are mandatory. See page 4 for details about access to the website.

**Classroom Conduct:**

• Students receiving unauthorized assistance through written, visual, or oral means on exams will earn a score of zero for the first violation and will be subject to withdrawal from the class upon further violations.

• Disruptive behavior is not tolerated. The instructor and staff will consult with students consistently interrupting classroom routine. Students are subject to removal from class permanently.

• Cell phones and pagers must be on **silent** mode during class and tests. Laptop computers and PDAs are allowed for note taking purposes only.

**Accommodations for Students with Disabilities:**

If you need to make arrangements for taking tests to accommodate for a disability, please see me.

**Absences from Class:**

• Students attending UCF endorsed activities or missing class due to medical reasons need to inform the instructor (in person and by official paperwork) in regard to absences.
## Tentative Lecture Schedule (The schedule may be changed)

<table>
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<tr>
<th>Days</th>
<th>Lectures</th>
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| Aug 19-Sep 11| Chapter 1: The Chemical World  
Chapter 2: Measurement and Problem Solving  
Chapter 3: Matter and Energy  
Chapter 4: Atoms and Elements  
Chapter 5: Molecules and Compounds |
| Sep 13 (Friday) | Exam 1 Review Session and Quiz 1 |
| Sep 16 (Monday) | **Exam 1**  
Sep 18-Sep 30 | Chapter 6: Chemical Composition  
Chapter 7: Chemical Reactions  
Chapter 8: Quantities in Chemical Reactions |
| Oct 2 (Wednesday) | Exam 2 Review Session and Quiz 2 |
| Oct 4 (Friday)  | **Exam 2**  
Oct 7-Oct 18 | Chapter 9: Electrons in Atoms and the Periodic Table  
Chapter 10: Chemical Bonding  
Chapter 11: Gases |
| Oct 21 (Monday) | Exam 3 Review Session and Quiz 3 |
| Oct 23 (Wednesday) | **Exam 3**  
Oct 25-Nov 13 | Chapter 12: Liquids, Solids, and Intermolecular Forces  
Chapter 13: Solutions  
Chapter 14: Acids and Bases |
| Nov 15 (Friday)  | Exam 4 Review Session and Quiz 4 |
| Nov 18 (Monday)  | **Exam 4**  
Nov 20 – Dec 22 | Chapter 15: Chemical Equilibrium |
| Nov 25 – Dec 2  | Final Exam Review Session |
| **Dec 04 (Wednesday)** | **Final Exam – Cumulative (1:00 pm – 3:50 pm)** |

### Reminder:

(i) Withdrawal deadline for this semester is Monday, October 28, 2013.  
(ii) Classes end on Monday, December 2, 2013.  
(iii) Final Exam Period: December 4 - 10, 2013
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Fall 2013 Holidays:

Labor Day       Monday, September 2, 2013
Veterans Day    Monday, November 11, 2013
Thanksgiving    November 28 - 30, 2013

Online Homework Assignments:

Each student must register themselves for Mastering Chemistry. Students are encouraged to complete their online homework assignments on a regular basis.

Creating your Mastering Chemistry user account
1. Use Internet Explorer for all work in Mastering Chemistry.
2. Navigate to http://www.masteringchemistry.com
3. Follow the instructions to register as a new user.
4. When asked to enter your student ID, please input your PID.
5. When queried, enter the access code that came with your text book package. The access code can also be purchased separately at masteringchemistry.com.
6. Enter the Course ID for our section. Our course ID is: MCSANTRA93970

Exam Policies and Format:

Absence from tests (quizzes and exams)
• Make-up tests will be administered by appointment when a scheduled test is missed due to:
  - Authorized University events and co-curricular activities
  e.g. football or cheerleading competition, See: #4-401 at http://www.ucf.edu/president/policies.php.
  - Incapacitating illness that occurs on the day of the scheduled test.
• Students who miss a test due to illness must provide the instructor a signed note from their health provider specifically stating that they were unable to take the test on the scheduled day due to the malady.
• Exams missed without an approved University excuse will receive a zero.

Use of calculators
• Students may use electronic calculators during tests, but the following types are prohibited:
  1. Graphing calculators
  2. Calculators that enable storage and recall of functions
  3. Calculators built into cell phones
• Violations of this rule will be regarded as cheating and will result in a zero for that test.

Student Conduct:
Violations of the student code of conduct as set forth in the Golden Rule will not be tolerated (see http://www.goldenrule.sdes.ucf.edu).
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Classroom Courtesy:
All students are required to conduct themselves in a courteous and professional manner so that everyone in the class can learn, free from interruptions and distractions. This means that:
- Cell phones are off and not used at all during class.
- Students do not engage in conversation apart from topic of class discussion.
- Students come to class on time. If you arrive late, please enter quietly and sit toward the back.

Please do all you can to help maintain a positive and productive classroom environment.

Disability Access Statement:
The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students with disabilities who need accommodations in this course must contact the professor at the beginning of the semester to discuss needed accommodations. No accommodations will be provided until the student has met with the professor to request accommodations. Students who need accommodations must be registered with Student Disability Services, Student Resource Center Room 132, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor. Further information about UCF student disability services is available at http://www.sds.sdes.ucf.edu and sds@mail.ucf.edu.

Amendment of Syllabus:
The instructor reserves the right to modify the schedule, the testing procedure, and the grading basis if, in the professional judgment of the instructor, such modification is in the best interest of fulfilling the course objectives and assuring the academic integrity of the course and the University.

Have a great semester!

Note: The instructor reserves the right to add to and/or change the schedule and other policies and information in the syllabus at any time.