CHEMISTRY 3005
Quantitative Analysis
Course Syllabus - Spring, 2016
Sec 010; TR 9:00 – 10:15 a.m. Dale Hall 107

Professor Shaorong Liu
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Office Hours: TR 10:45-11:45 a.m.; or by appointment.

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Prerequisites:
Prerequisite: 1415 or 1425, Mathematics 1523 or 1643. Principles of chemical stoichiometry and equilibrium applied to gravimetric and volumetric methods of analysis; practice of volumetric and gravimetric analysis; introduction to simple instrumental methods.

Text:

Lab: Various Authors, “QUANTITATIVE ANALYSIS Laboratory Manual”, Spring 2016, University of Oklahoma

EXAMINATIONS
First Exam: Tue, Feb. 16, 2016, 9:00am – 10:15am
Second Exam: Thu, Mar. 10, 2016, 9:00am – 10:15am
Third Exam: Thu, Apr. 12, 2016, 9:00am – 10:15am
Fourth Exam: Thu, May 5, 2016, 9:00am – 10:15am
GRADING (Lecture Part)

1. **Home Work:** Homework problems will be assigned at the end of a lecture and due at the beginning of the next lecture. (20% of the total points)

2. **Hour Exams:** There will be four hour-exams. Each test will consist of both multiple choice and free response questions. You will be responsible for all material presented in the lecture or assigned in the text. (20% each)

3. **Final Exam:** NO.

4. **Quizzes:** There will be a number of short in-class quizzes (multiple choice questions only, 5% bonus). These quizzes will be given around 10:00 am in classes, and you will turn them in as you leave. **IMPORTANT:** These quizzes will be given without early warnings. Therefore, your attendance will be critical.

5. **Attendance:** Students are expected to show up in every lecture. You are responsible (even if absent) for all material, assignments, announcements and course changes made in class. It is assumed you are here to learn; therefore, anything that serves to distract the instructor or other students (e.g., cell phones, pagers, personal chit-chat, reading the newspaper) will not be tolerated.

6. **Other:** Students are expected to read the textbook materials and bring questions to the lectures. After each lecture, students should ask themselves whether their questions have been answered or not. If not, they should seek for assistance promptly. **DON’T ALLOW QUESTIONS TO BE ACCUMULATED.**

**Final Grading:** Chem 3005 has two parts: Lecture and Lab (see lab-syllabus for details). The lecture part accounts for 3/5 and the lab part accounts for 2/5 of the final grading. The final letter grade of this course will be based on the final numerical grade as follows:

- $\geq 90\%$ A
- $80\% \text{ to } 90\%$ B
- $70\% \text{ to } 80\%$ C
- $60\% \text{ to } 70\%$ D
- $< 60\%$ F

**Cheating:** Academic dishonesty will not be tolerated in this course. Cheating in any form will be treated according to the rules enumerated in the student handbook. It is your responsibility to be familiar with these rules.

**Help Resources:** Please **do not wait until the last minute** to get help!! Come in during office hours or make an appointment to see me as soon as a concept or problem gives you difficulty.
Other Policies:

UNIVERSITY POLICY REGARDING REASONABLE ACCOMMODATION

The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course should speak with the instructor as early in the semester as possible in order to ensure full participation and facilitate your educational opportunities. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone 405/325-3852 or TDD only 405/325-4173.

UNIVERSITY POLICY REGARDING CODES OF BEHAVIOR

Each student should acquaint her or his self with the University's codes, policies, and procedures involving academic misconduct, grievances, sexual and ethnic harassment, and discrimination based on physical handicap.

Students engaging in academic misconduct (including cheating, plagiarism, and any other action that may improperly affect evaluation) will be subject to sanctions in accordance with the Norman Campus Academic Misconduct Code. Grade sanctions could range from a zero for the specific assignment to an "F" for the course. University sanctions can be severe, i.e., expulsion from the University.

POLICY REGARDING CONTENT OF SYLLABUS

The instructor reserves the right to change any items contained in this syllabus. These changes include, but are not limited to, course content, scheduled dates, and fraction(s) of final grade assigned to individual components of the course.