

CHEMISTRY 1406 (4:3:3)

INTRODUCTORY CHEMISTRY I

CHEMISTRY

DEPARTMENT OF SCIENCE

**DIVISION OF ARTS & SCIENCES
SOUTH PLAINS COLLEGE**

Spring 2018

INSTRUCTOR: LI XIANG

CHEMISTRY 1406.002

INSTRUCTOR: Li Xiang
Office: S-107
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OFFICE HOURS: MW 12:15 pm - 12:45 pm; 2:15 pm – 3:15 pm
T 10:45 am - 12:15 pm
Th 10:45 am – 11:15 am
Friday 9:00 am - 12:00 pm

COURSE MATERIALS: All are available at the SPC bookstore.

“Chemistry: An Introduction to General, Organic, and Biological Chemistry”,
Timberlake, 13th Edition, ISBN 978-0-13-442135-3 (required)

“CHEM 1406 Lab Manual” (required)

Safety glasses (required)

Scientific calculator (required, **cell phones are not permitted in exams**)

GRADING: Grading will be traditional: A = 90-100
B = 80-89
C = 70-79
D = 60-69
F = below 60

The grade distribution will be: 3 mid-term exams: 54%
14 lab experiments: 13%
2 lab exams: 12%
1 lab report: 3%
1 final exam: 18%

(The final exam will **not** be a comprehensive test)

Lab experiments will count for 13% of the final grade. A completed lab will receive a grade of 100. A missed lab will receive a grade of zero. The labs must be completed on the days they are scheduled. There will be no make-ups for the labs. The lowest lab completion grade will be dropped at the end of the semester.

MISSED EXAMS POLICY: There will be no make-ups for a missed exam unless a legitimate excuse for the date in question is provided (auto service center receipt, SPC nurse's form, doctor's note, etc). A make-up exam can be taken **no later than the end of the following class meeting**. If no legitimate excuse is given, a grade of zero will be given for that missed exam.

ACADEMIC INTEGRITY: Cheating (as defined in the SPC General Catalog) is not permitted. If you are caught cheating during an exam, you will be given a grade of zero for the exam.

ATTENDANCE: Attendance is mandatory. More than 4 absences can lead to the dismissal from the class and will be given a final grade of **X**. **Class attendance will be used to earn extra credits for the exams.**

DISABILITY STATEMENT: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) & Lubbock Center 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Note to students with disabilities: If you have a disability-related need for reasonable academic adjustments in this course, please provide the instructor with a letter of accommodation from Disability Services Office. If you need immediate accommodations or physical access, please arrange to meet with the Disability Services Office before the next class meeting.

COURSE SCHEDULE: The following contains the dates for the lectures, exams, lab experiments and lab exams. All dates are subject to change. Changes will be announced by the instructor. Some lab periods may be used for in-class practices.

DATE	LECTURE	LAB
Jan 15	Martin Luther King Jr. Day Holiday	
Jan 17	Introduction and Chpt 2	Safety Rules, Exp 1
Jan 22	Chpt 2	Exp 3
Jan 24	Chpt 2	Exp 2

Jan 29 Jan 31	3.1, Chpt 4 Chpt 4	In-class Practice 1 Exp 5
Feb 5 Feb 7	Chpt 4 Exam 1	In-class Practice 2 No Lab
Feb 12 Feb 14	Chpt 6 Chpt 6	Exp 8 In-class Practice 3
Feb 19 Feb 21	Chpt 6 3.2, Chpt 7	Exp 6 , In-class Practice 4 In-class Practice 5
Feb 26 Feb 28	Chpt 7 Chpt 7	Exp 7 In-class Practice 6
Mar 5 Mar 7	Exam 2 Chpt 3 (excluding 3.1)	No Lab Exp 4
Mar 12 – Mar 16	Spring Break	
Mar 19 Mar 21	7.9 Chpt 8	Lab Exam 1 Exp 9 (Lab Report)
Mar 26 Mar 28	Chpt 8 Chpt 9	In-class Practice 7 Experiments in Solutions
Apr 2 Apr 4	Easter Holiday Chpt 9	In-class Practice 8
Apr 9 Apr 11	Exam 3 Chpt 10	No Lab Exp 12
Apr 16 Apr 18	Chpt 10 Chpt 11	Exp 11 Organic Models
Apr 23 Apr 25	Chpt 12, 14 Chpt 13	Organic Models Lab Exam 2
Apr 30 May 2	Chpt 16 Chpt 15	In-class Practice 9 In-class Practice 10

FINAL EXAM: May 7, Monday 10:15 am - 12:15 pm

DIVERSITY STATEMENT: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

NON-DISCRIMINATION STATEMENT: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College - 1401 College Avenue, Box 5, Levelland, TX 79336, 806-894-9611

The objective of this class is to help students build teamwork skills, communication skills, empirical and quantitative skills, and critical thinking skills.

Teamwork - to include the ability to consider different points of view and work effectively with others to support a shared purpose or goal.

Communication - to include effective written, oral and visual communication.

Empirical and Quantitative Skills - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Critical Thinking - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.

