

**CHEMISTRY 1406 (4:3:3)**

**INTRODUCTORY CHEMISTRY I**

**CHEMISTRY**

**DEPARTMENT OF SCIENCE**

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

**Fall 2018**

**INSTRUCTOR: LI XIANG**

## CHEMISTRY 1406.006

**INSTRUCTOR:** Li Xiang  
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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, 13<sup>th</sup> 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%  
13 lab experiments: 12%  
2 lab exams: 14%  
1 lab report: 2%  
1 final exam: 18%

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

Lab experiments will count for 12% 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
Aug 28 Aug 30	Introduction and Chpt 2 Chpt 2	Safety Rules, <b>Exp 1</b> <b>Exp 3</b>
Sept 4 Sept 6	Chpt 2 3.1, Chpt 4	<b>Exp 2</b> In-class Practice 1

Sept 11	Chpt 4	<b>Exp 5</b>
Sept 13	Chpt 4	In-class Practice 2
Sept 18	<b>Exam 1</b>	No Lab
Sept 20	Chpt 6	<b>Exp 8</b>
Sept 25	Chpt 6	In-class Practice 3
Sept 27	Chpt 6	<b>Exp 6, In-class Practice 4</b>
Oct 2	3.2, Chpt 7	In-class Practice 5
Oct 4	Chpt 7	<b>Exp 7</b>
Oct 9	Chpt 7	In-class Practice 6
Oct 11	<b>Exam 2</b>	No Lab
Oct 16	Chpt 3 (excluding 3.1)	<b>Exp 4</b>
Oct 18	7.9	<b>Lab Exam 1</b>
Oct 23	Chpt 8	<b>Exp 9 (Lab Report)</b>
Oct 25	Chpt 8	In-class Practice 7
Oct 30	Chpt 9	<b>Exp 10 and 14</b>
Nov 1	Chpt 9	In-class Practice 8
Nov 6	<b>Exam 3</b>	No Lab
Nov 8	Chpt 10	<b>Exp 12</b>
Nov 13	Chpt 10	<b>Exp 11</b>
Nov 15	Chpt 11	<b>Organic Models</b>
Nov 20	Chpt 12, 14	<b>Organic Models</b>
Nov 22	<b>Thanksgiving Holiday</b>	
Nov 27	Chpt 16	<b>Lab Exam 2</b>
Nov 29	Chpt 13	In-class Practice 9
Dec 4	Chpt 15	In-class Practice 10
Dec 6	<b>No Class</b>	

**FINAL EXAM: Dec 11, Tuesday 8:00 am - 10:00 am**

**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.

