

**CHEMISTRY 1411 (4:3:3)**

**GENERAL CHEMISTRY I**

**CHEMISTRY**

**DEPARTMENT OF SCIENCE**

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

**Spring 2018**

**INSTRUCTOR: LI XIANG**

## CHEMISTRY 1411.006

**INSTRUCTOR:** Li Xiang  
Office: S-107  
Telephone: (806)894-9611, ext. 2315 or (806)716-2315  
Email: [lxiang@southplainscollege.edu](mailto:lxiang@southplainscollege.edu)

**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.

“Principles of Chemistry: A Molecular Approach”,  
Nivaldo J. Tro, 3<sup>rd</sup> Edition, ISBN 978-0-321-97194-4 (required)

“CHEM 1411 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: 45%  
10 in-class practices 10%  
13 lab experiments: 12%  
1 lab exam: 10%  
1 lab report: 3%  
1 final exam: 20%

(The final exam will 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
Jan 16	Introduction and Chpt 1	Safety Rules, <b>Exp 1</b>
Jan 18	Chpt 1	<b>Exp 3</b>
Jan 23	Chpt 1	<b>Exp 2</b>
Jan 25	Chpt 2	In-class Practice 1

Jan 30	Chpt 2	<b>Exp 4</b>
Feb 1	Chpt 2, Chpt 3	In-class Practice 2
Feb 6	<b>Exam 1</b>	No Lab
Feb 8	Chpt 3	<b>Exp 6</b>
Feb 13	Chpt 3	In-class Practice 3
Feb 15	Chpt 3	In-class Practice 4
Feb 20	Chpt 3	<b>Exp 5</b>
Feb 22	Chpt 4	<b>Exp 8</b>
Feb 27	Chpt 4	In-class Practice 5
Mar 1	<b>Exam 2</b>	No Lab
Mar 6	Chpt 4	<b>Exp 7</b>
Mar 8	Chpt 4	In-class Practice 6
Mar 12 – Mar 16	<b>Spring Break</b>	
Mar 20	Chpt 5	<b>Exp 9 (Lab Report)</b>
Mar 22	Chpt 5	In-class Practice 7
Mar 27	Chpt 6	<b>Exp 10</b>
Mar 29	No Class	
Apr 3	Chpt 6	<b>Exp 11</b>
Apr 5	Chpt 6	In-class Practice 8
Apr 10	<b>Exam 3</b>	No Lab
Apr 12	Chpt 7	<b>Exp 12</b>
Apr 17	Chpt 7	Review
Apr 19	Chpt 8	In-class Practice 9
Apr 24	Chpt 9	<b>Exp 13</b>
Apr 26	Chpt 9	<b>Lab Exam</b>
May 1	Chpt 10	In-class Practice 10
May 3	No Class	

**FINAL EXAM: May 8, 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.