

Wood, Fern E

CHEM 1412 - General Chemistry II

Evaluation Form ID: 294

**Question Category: 3 Exemplary Educational Objectives Natural Sciences THECB**

Natural Sciences Objective 1.) To apply method and appropriate technology to the study of natural sciences.

Highly Satisfied      1                      100%

**Total # of Responses**      1

Natural Sciences Objective 2.) To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.

Highly Satisfied      1                      100%

**Total # of Responses**      1

Natural Sciences Objective 3.) To identify and recognize the differences among competing scientific theories.

Highly Satisfied      1                      100%

**Total # of Responses**      1

Natural Sciences Objective 4.) To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.

Highly Satisfied      1                      100%

**Total # of Responses**      1

Natural Sciences Objective 5.) To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

Highly Satisfied      1                      100%

**Total # of Responses**      1

**Question Category: 6 General Frank Phillips College Perspectives**

General Perspective 1.) My instructor helped me to establish broad and multiple perspectives on the individual in relationship to the larger society and the world in which he or she lives and helped me understand the responsibilities of living in a culturally and ethnically diverse world.

Highly Satisfied      1                      100%

**Total # of Responses**      1

General Perspective 2.) My instructor stimulated my capacity to discuss and reflect upon individual, political, economic, and social aspects of life in order to understand ways in which to be a responsible member of society.

Highly Satisfied      1                      100%

**Total # of Responses**      1

General Perspective 3.) My instructor helped me recognize the importance of maintaining health and wellness.

Highly Satisfied      1                      100%

**Total # of Responses**      1

General Perspective 4.) My instructor helped me develop a capacity to use knowledge of how technology and science affect my life.

Highly Satisfied      1                      100%

**Total # of Responses**      1

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**Question Category: 6 General Frank Phillips College Perspectives**

General Perspective 5.) My instructor helped me develop personal values for ethical behavior.

Highly Satisfied	1	100%
<b>Total # of Responses</b>	<u>1</u>	

General Perspective 6.) My instructor helped me develop the ability to make aesthetic judgments.

Highly Satisfied	1	100%
<b>Total # of Responses</b>	<u>1</u>	

General Perspective 7.) My instructor encouraged me to use logical reasoning in problem solving.

Highly Satisfied	1	100%
<b>Total # of Responses</b>	<u>1</u>	

General Perspective 8.) My instructor integrated knowledge and helped me to understand the interrelationships of scholarly disciplines.

Highly Satisfied	1	100%
<b>Total # of Responses</b>	<u>1</u>	

**Question Category: 7 Instructional & Faculty Related Questions**

The instructor tried to be fair and impartial with students.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor tested in ways that permitted students to demonstrate what they have learned in class.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor scored tests/papers promptly and gave helpful feedback.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor made clear how the final course grade would be determined early in the semester.

Yes	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor presented the subject matter effectively.

Usually	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor spoke clearly and could be understood.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor made assignments clear.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

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**Question Category: 7 Instructional & Faculty Related Questions**

The instructor presented course objectives clearly.

Usually	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor followed a plan and sequence for the course.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor used class time effectively.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor brought material other than the textbook to the attention of students.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor used a variety of teaching methods and teaching aids.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor showed an interest in the student's progress.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor related, where applicable, significant current issues to the course material/subject.

Usually	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor kept class for the entire period.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor encouraged student involvement in class discussions.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor allowed free expression of opinion.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

The instructor encouraged students to seek information in addition to test and classroom presentations.

Consistently	1	100%
<b>Total # of Responses</b>	<u>1</u>	

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**Question Category: 7 Instructional & Faculty Related Questions**

By what means was the course syllabus made available to you?

Hard Copy 1 100%

Total # of Responses 1

The instructor was available during his/her posted office hours, where applicable, or was available by appointment when needed.

Consistently 1 100%

Total # of Responses 1

**Question Category: 8 Specific Course Objectives**

Student Learning Outcome 1.) Explain rates of reactions and apply kinetic data to rate mechanisms.

Highly Satisfied 1 100%

Total # of Responses 1

Student Learning Outcome 2.) Differentiate and calculate reaction orders, rate constants and rate laws.

Satisfied 1 100%

Total # of Responses 1

Student Learning Outcome 3.) Derive and calculate  $K_p$ ,  $K_c$ , and  $K_{sp}$ .

Highly Satisfied 1 100%

Total # of Responses 1

Student Learning Outcome 4.) Explain and apply dynamic equilibrium and LeChatelier's principle.

Highly Satisfied 1 100%

Total # of Responses 1

Student Learning Outcome 5.) Compare Arrhenius, Bronsted-Lowry and Lewis acid-base theories.

Highly Satisfied 1 100%

Total # of Responses 1

Student Learning Outcome 6.) Calculate pH, pOH and pK for strong and weak acids and bases.

Highly Satisfied 1 100%

Total # of Responses 1

Student Learning Outcome 7.) Explain and calculate buffer capacity.

Highly Satisfied 1 100%

Total # of Responses 1

Student Learning Outcome 8.) Consider complex ions as Lewis acid-base pairs.

Highly Satisfied 1 100%

Total # of Responses 1

Student Learning Outcome 9.) Identify oxidation numbers and half reactions.

Satisfied 1 100%

Total # of Responses 1

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**Question Category: 8      Specific Course Objectives**

Student Learning Outcome 10.) Use standard reduction potentials to calculate standard cell potential.

Highly Satisfied	1	100%
<b>Total # of Responses</b>	<u>1</u>	

Student Learning Outcome 11.) Distinguish between electrolytic and voltaic cells.

Highly Satisfied	1	100%
<b>Total # of Responses</b>	<u>1</u>	

Student Learning Outcome 12.) Predict reaction processes and describe and apply qualitative analysis of cations and anions.

Highly Satisfied	1	100%
<b>Total # of Responses</b>	<u>1</u>	

**Question Category: 11      Comments**

Please provide your comments about this course; e.g., instructor's strengths and/or suggestions for improvements or any other classroom concerns.

- I believe there is nothing she needs to improve on.

Do you have additional comments that you would like to share about other services on campus?

- No.

Class Sections Included in Course Evaluations			Spring 2010			
Instructor:	Wood, Fern E	Survey ID:	294			
CHEM 1412 - C90 - L/L	General Chemistry II	U	12:01 am	12:02 am	<u>Enrolled</u>	
					3	
<b>Total # Classes:</b>	<b>1</b>			<b>Total Enrollment:</b>	<b>3</b>	