



Introduction to Chemistry (CHEM 1306)

Credit: 3 semester credit hours (3 hours lecture)

Prerequisite: MATH 1332

Course Description:

This course introduces chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry; and environmental/consumer chemistry. Designed for non-science and allied health students.

Required Textbook and Materials

Chemistry: An Introduction to General, Organic and Biological Chemistry, 11th Edition by Karen C. Timberlake

SCANTRON and #2 pencils

Objectives

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Students who successfully complete the course will emerge with knowledge, experience and understanding of the following:

1. Basic principles of general chemistry
2. Scientific method, Metric System, and chemical measurement
3. Chemical calculations using chemical formulas and equations
4. Basis of organic chemistry

CORE Objectives

1. Critical Thinking: to include creative thinking, innovation, inquiry, and analysis
2. Communication: to include effective development, interpretation and expression of ideas through written, oral and visual communications
3. Empirical and Quantitative Skills: to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
4. Teamwork: to include the ability to consider different points of view, and to work effectively with others to support a shared purpose or goal

Grade Scale

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Course Evaluation

Final grades will be calculated according to the following criteria

1. Three major tests 75%
2. Comprehensive final 25%
3. Homework and additional assignments are optional but highly recommended. They may be used as extra credit at the instructor's discretion.

Course Requirements

1. Attendance
2. Exams

Course Policies

1. No Makeup exams will be given; under undue circumstances (**a proof must be submitted**), the final exam will replace the grade of a missed exam. Work, including exams, may only be made up at the instructor's discretion. It is the responsibility of the student to contact the instructor as soon as possible to arrange for makeup work.
2. Students will not be automatically dropped from the class due to poor attendance or grades. Discontinuing class attendance without properly submitting a drop request will result in a failing grade (F).
5. All beepers and cell phones need to be turned off unless prior approval has been given by instructor to have them set to vibrate. (Permission will only be given in emergency situations.)
6. Children are not allowed in either the lecture class or laboratory at any time.
7. No food, drinks, or use of tobacco products in class.
8. Attendance in class is vital to understanding chemistry. If you are absent, it is your responsibility to obtain copies of at least two other student's notes and rewrite them in your notebook. **Attendance will be checked daily.**

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office in Student Services, Cecil Beeson Building.

Course Schedule:

Week of	Topic
August 22	Chapter 1: Chemistry and measurements
August 26	Chapter 2: Energy
September 9	Chapter 3: Atoms and elements
September 17	Chapter 4: Compounds and their bonds
September 24	Test 1: Chapters 1, 2, 3, 4,
October 1	Chapter 5: Chemical Quantities and Reactions
October 15	Chapter 6: Gases
October 22	Chapter 7: Solutions Chapter 8: Acids and Bases
October 29	Test 2: Chapters 5,6,7&8
November 5	Chapter 10 Introduction to Organic Chemistry Alkanes Chapter 11: Unsaturated hydrocarbons
November 12	Chapter 12: organic compounds with Oxygen, Sulfur Chapter 13: carbohydrates
November 19	Chapter 14:Carboxylic acids, esters, amines, and amides
November 26	Test 3: Chapters 10, 11, 13, 14
December 3	Review & Final Exam

*Instructor reserves the right to make changes.

Instructor: Niveen Yaseen

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Office Hours: By appointment only