SYLLABUS

CHEM 1411.002  GENERAL CHEMISTRY I  Fall 2014

INSTRUCTOR
Dr. Valeriu Murgulet
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Office: CS 205

LECTURES: TR 02:00 – 03:15 PM; EN-104

OFFICE HOURS: TBA and/or by appointment

COURSE DESCRIPTION
The foundation course in chemistry. A study of components of matter, stoichiometry, major classes of chemical reactions, bonding, atomic structure, electron configuration and chemical periodicity.

COURSE OBJECTIVES
The main objective of this course is to build a strong foundation in the nomenclature, structure and concepts of basic chemistry via course assignments and laboratory experiments/experiences. Students will also become aware of the chemistry role in everyday life and develop an understanding on how to make qualitative and quantitative inquiries in the physical world through chemistry.

TEXTBOOK

COURSE GRADING
Three Exams: 20% each
Final Exam (Comprehensive): 30%
Quizzes 10%

GRADING POLICY
A: 90-100%; B: 80-89.9%; C: 70-79.9%; D: 60-69.9%; F: 0-59.9%

EXAMS
Each student is expected to take all exams at the designated time and place. Students who miss an exam will receive a grade of zero for that exam. Make-up exams will be given only on presentation of approved medical excuse, or by pre-excused permission of the instructor. No exceptions! Time and place for the make-up exam will be arranged at the next regularly scheduled class following each exam. The format of make-up exams may differ from that of the regular exam. All exams are closed book, however, the use of a calculator is permitted. Students who want to appeal a grade should do it in writing, at latest one day after the exam was returned.
Please note the date of the final exam. No final exam will be given at an earlier date. Disability accommodations must be documented and approved by the Office of Disability Services.

**GRADE APPEALS**

A student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is on the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details on the process, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, consult Texas A&M University-Corpus Christi University Procedure 13.02.99.C2.01 Student Grade Appeal Procedures (http://www.tamucc.edu/provost/university_rules/index.html), and the College of Science and Engineering Grade Appeals webpage (http://sci.tamucc.edu/students/GradeAppeal.html). For assistance and/or guidance in the grade appeal process, students may contact the chair or director of the appropriate department or school or the College of Science and Engineering Dean’s Office.

**NOTICE TO STUDENTS WITH DISABILITIES AND VETERANS**

Texas A&M University-Corpus Christi complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. If you suspect that you may have a disability (physical impairment, learning disability, psychiatric disability, etc.), please contact the Services for Students with Disabilities Office, located in Corpus Christi Hall (CCH) 116, at 825-5816.

**ACADEMIC ADVISING**

The College of Science and Engineering requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. The College's Academic Advising Center is located in the Center for Instruction, room 350, and can be reached at 825-6094.

**ACADEMIC INTEGRITY**

Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Please be advised that the penalty for cheating is a failing grade and possible further disciplinary action by the university.

*The university policy of scholastic dishonesty will be followed in the event of academic misconduct. Academic misconduct includes all acts of dishonesty in any academically related matter and any knowing or intentional help or attempt to help, or conspiracy to help, another student.*
TENTATIVE LECTURE *

08/27
Study of Chemistry

Week beginning with 09/01
Study of Chemistry 2 Ch.1
The components of matter Ch. 2

Week beginning with 09/08
The components of matter 2 Ch.2

Week beginning with 09/15
Stoichiometry of Formulas and Equations Ch.3

Week beginning with 09/22
Stoichiometry of Formulas and Equations 2 Ch.3
Stoichiometry of Formulas and Equations 3 Ch.3

Week beginning with 09/29
Three Major Classes of Chemical Reactions Ch.4
09/30 EXAM# 1

Week beginning with 10/06
Three Major Classes of Chemical Reactions 2Ch.4
Three Major Classes of Chemical Reactions 3 Ch.4

Week beginning with 10/13
Gases and the Kinetic-Molecular Theory Ch.5
Gases and the Kinetic-Molecular Theory 2 Ch.5

Week beginning with 10/20
Thermochemistry: Energy Flow and Chemical Change Ch. 6
Thermochemistry: Energy Flow and Chemical Change 2 Ch. 6

Week beginning with 10/27
10/28 EXAM#2
Quantum Theory and Atomic Structure Ch.7

Week beginning with 11/03
Quantum Theory and Atomic Structure 2 Ch.7
Quantum Theory and Atomic Structure 3 Ch.7

Week beginning with 11/10
Electron Configuration and Chemical Periodicity Ch. 8
Electron Configuration and Chemical Periodicity 2 Ch. 8
Week beginning with 11/17
Electron Configuration and Chemical Periodicity 3 Ch. 8
Models of Chemical Bonding Ch. 9

Week beginning with 11/24
Models of Chemical Bonding 2 Ch. 9
11/27 EXAM#3

Week beginning with 12/01
Models of Chemical Bonding 2 Ch. 9

FINAL EXAMINATION TBA (2.5 hour exam)

READING: Reading material will be assigned at the end of each lecture session.
*NOTE: The syllabus is subject to change at the instructor’s discretion.