

RAPPAHANNOCK COMMUNITY COLLEGE
SYLLABUS FOR CHEMISTRY 01
MR. JOHN KINZIE, INSTRUCTOR
GLENN'S/WARSAW CAMPUS, INTERACTIVE
FALL, 2010

Description:

This course will introduce and describe the basic principles of chemistry to students with little or no chemistry background. Prerequisites: ENG 04 and MATH 02.

Credits: 3 hours.

Meeting Time: Thursday 6:00 - 8:40 PM Glenn's/ Warsaw campus

Objectives:

This course is designed to introduce students to basic chemical principles, terminology and applications. The student will be able to explain chemical principles and demonstrate how they apply to everyday life through examples and mathematical explanations.

Methods of Instruction:

The course will be taught by lectures, discussion and working some problems. Some practice problems are assigned in the class schedule. Additional practice problems will be assigned in class. Assigned readings should be completed prior to lectures.

Books:

Zumdahl, Steven S.; DeCoste, Donald J. : *Introductory Chemistry: A Foundation, 7th Edition*, ISBN

Instructor Availability: I will be available by appointment as necessary. I can be contacted via e-mail at jkinzie@rappahannock.edu.

Course content: See attached schedule.

Grading:

An announced quiz will be given at the beginning of class covering the chapters presented during the previous weeks (see schedule). There will be no make-up quizzes as the answers will be provide soon afterwards. If a graded quiz is missed, the grade will be a 0. These quizzes will account for 25% of the final grade. They will be based on the self checks, assigned end of chapter questions and lecture notes. Additionally, three tests will be assigned throughout the course (see schedule) and the average of the tests will be the basis for 42% of the course evaluation. The final exam will be cumulative, with emphasis on the material covered since the last test, and account for 33% of the final grade.

At the end of the course one of the following grades will have been earned:

S: Satisfactory completion (grade of at least 70%)

R: Re-enroll. The student does not qualify for an S grade.

U: Unsatisfactory. The student has not qualified for an S or R grade.

CLASS SCHEDULE, CHEMISTRY 01

Mr. John Kinzie, Instructor

Note: This schedule is provided for the convenience of the student. The instructor reserves the right to alter it as necessary.

| Date | Assigned Quiz/Test | Reading Assignment | End of Chapter Questions | Lecture |
|----------|--------------------------------------------|--------------------------|--------------------------------------------------------------|---------------------------------------------|
| Aug. 26 | | Chapters 1,2, Appendix A | Page 49, Pr. 11,12, Page 51, Pr. 48, 50, Page 52, Pr. 74, 90 | Introduction, Measurements and Calculations |
| Sept. 2 | | Chapters 3, 4 | Page 69, Q.3,4,18, Page 70, 19,20,30, Page 108, 13,20 | Matter, Elements, Atoms and Ions |
| Sept. 9 | Quiz 1, Ch. 1,2,3,4, Appendix A | Chapters 5,6 | Page 137, Q 20, 36, Page 138, Q 42, Page 161, Pr. 38 | Nomenclature, Chemical Reactions |
| Sept. 16 | Test 1, Ch. 1,2,3,4, Appendix A Ch. | Chapters 7,8 | Page 197, Pr. 40,50 Page 241, Pr. 28,34 | Reactions in Aq. Sol., Chemical Composition |
| Sept. 23 | | Chapters 9,10 | Page 279, Pr. 14,20 Page 318, Pr. 30,42 | Chemical Quantities, Energy |
| Sept. 30 | Quiz 2, Ch. 5, 6, 7, 8, 9, 10 | Chapters 11, 12 | Page 354, Pr. 36,50 Page 397, Pr.98,106 | Atomic Theory, Chemical Bonding |
| Oct. 7 | Test 2, Ch. 5, 6, 7, 8, 9, 10 | Chapters 13, 14 | Page 440, Pr. 42, 60 Page 470, Pr. 38, 44 | Gases, Liquids and Solids |
| Oct. 14 | | Chapters 15 | Page 506, Pr. 60, 70 Page 508,P.100,114 Pr.100,114 | Solutions |
| Oct. 21 | | Chapter 16 | Page 540, Pr. 58,70 Page 541, Pr. 82,88 | Acids and Bases |
| Oct. 28 | Quiz, Ch. 11-16 | Chapter 17 | Page 574, Pr. 26,34 Page 575, Pr. 38,42 | Chemical Equilibrium |
| Nov. 4 | Test, Ch. 11-16 | Chapter 18 | Page 608, Pr. 6, 14 Page 610, Pr. 42, 52 | Oxidation - Reduction and Electrochemistry |
| Nov. 11 | | Chapter 19 | Page 636 Pr. 22, 26, 28, 40 | Radioactivity and Nuclear Energy |

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| Nov. 18 | | Chapter 20 | Page 679, Pr. 8, 12 Page 681, Pr. 46,56 | Organic Chemistry |
| Dec. 2 | Quiz, Ch. 17-20 | Chapter 21 | Page 713, Qu.. 8,10 Page 714, Pr. 32,38 | Biochemistry |
| Dec. 9 | Final Review | | | Instructor Choice |
| Dec. 16 | Final Exam | Final Exam | | Final exam |

ACADEMIC INTEGRITY:

Cheating, dishonesty, and plagiarism are examples of breaches in academic integrity and will not be tolerated. Punishment of violations will be taken care of swiftly and may range from receiving a lower or failing grade to dismissal from the college by the president. Written work must always be done solely by you. Please see the Student Handbook for student conduct and disciplinary procedures.

HONOR CODE:

It is the responsibility of the student to be aware of the rules as stated in the College Catalog and to monitor the activities of their peers with respect to prescribed conduct(as described on page 29 of the College Catalog) and report any violations thereof.

STUDENT CONDUCT:

As stated within the course information, students are expected to conduct themselves in a professional, courteous manner when taking part in e-mails or during class. No improper language or slang is allowed.

ATTENDANCE POLICY:

Attendance is required in all courses at Rappahannock Community College. Students will begin to lose attendance points after missing **one lecture** for any reason. Points will also be deducted for habitually arriving late/ leaving early, not participating in class discussions, or displaying a general disinterest in the course such as sleeping in class or engaging in disruptive activities. _

WITHDRAWAL POLICY:

A student who does not contact the instructor before or during the add/drop period will be reported to the Admissions and Records Office. The “no show” will be dropped from the course roster by the Admissions and Records Office without the student’s permission.

Students who stop participating in class activities during the withdrawal period should complete a withdrawal form to receive a grade of W. For withdrawals after the add/drop period, the student will receive a grade of U, except under mitigating circumstances, which must be documented.

Students must be withdrawn from the course by the instructor without the student’s permission for missing 20 % or more of the class sessions by the last date to withdraw.

BASIS FOR EVALUATION AND REVISION OF A COURSE:

Students in synchronous classes will be provided with an anonymous survey questionnaire at the end of the course that will ask each student to evaluate the instructor and the course and make comments and suggestions. Survey results will be used to revise and improve the course._

EMERGENCY EVACUATION PLAN:

In each classroom, laboratory, or other place where students are assembled for the purpose of instruction, a fire evacuation plan will be posted indicating the direction of travel from the room in case it becomes

necessary to evacuate the building as a result of fire or other emergency. This plan will be posted in a conspicuous place near the exit from the room.

At any time the fire alarm sounds, the building will be evacuated. The instructor is to insure the fire door is closed upon leaving the area (doors with automatic closures on them). It is the responsibility of the instructor to assist disabled students in evacuating the building.

If a classroom does not have an evacuation plan, the student should notify the instructor or Campus Director.

SPECIAL REQUEST: It is important to RCC that students have a learning environment that is conducive to their needs. Therefore, students who feel they may need some type of accommodation in order to make this class a successful setting should go to the Counseling Office on either campus for information about applying for services and accommodations. You will need to provide current documentation and recommended accommodations for that disability. For additional information, refer to “Student Services” on the RCC website and look for “Students with Disabilities”.

COLLEGE CLOSING INFORMATION:

The College will be open unless an official closing is announced. If it is necessary to cancel or delay the opening of the college, the decision will be announced over radio and television stations serving the college region.