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Chemistry 105X - 6SULQJ 20

General Chemistry ,

Instructor: Dr. 7KRPDV *UHHQ
Office: REIC 1
Email: WNJUHHQ@alaska.edu
Phone: 474-

Lecture Period: MWF 1 - pm
Classroom: Reichardt 201
Office Hours: 7XHV WHSG P-1 pm
or by Appointment

Course materials

The following materials are required for the course and can be purchased in the UAF bookstore or elsewh

¥Chemistry: An Atoms-Focused Approach, 2nd edition, Gilbert et al.
Complete Book - ISBN 978-0-393-28421-8 (Hardcover), Soft cover also available at bookstore

¥Norton Smartwork 5 access for Chemistry: an atoms-focused approach, 2th Ed.

¥TurningPoint Technologies Response Ð See Blackboard for registration instructions

¥Experiments in General Chemistry 105X: A Laboratory Manual
(free! Handouts can be printed from Blackboard, updated weekly)

¥

Who should take this course?

The course is intended for students who are interested in enriching their lives with chemistry. The study of chemical science is valuable from an academic standpoint, fulfilling UAFÕs core science credits, as well as introducing students to proper laboratory techniques. Chemistry 105X is the first semester of a two-semester series in general chemistry, emphasizing the quantitative and mathematical identification of chemical phenomena.

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Course expectations and outcomes

Students are expected to attend class; attendance will be monitored from in class responses. Each day before class the student should read and digest the portion of the textbook appropriate as per the class sch including example questions. Active learning involves the student using their sensory motor cortex (sight, smell, sound, taste and touch) in addition to their intelligence, to solidify through practice a concept the stu has just read or heard about. Supplementing the course catalog, the course goals are to continue bu studentÕs skills solving chemical problems, reading critically, formulating questions, completing labora experiments and communicating information assimilated throughout the course by completing exams. C conduct should be professional as well as respectful of the rights other students to constructive lea experience.

Grading

Grades will be posted to blackboard, which can be accessed from the UAF homepage. Class grades m adjusted (curved) from the following schedule only in the studentsÕ favor.

	Points	Grade Range	Letter Grade	Points
Examination 1	100	100 - 90%	A	1000-900
Examination 2	100	89 - 80%	B	899-800
Examination 3	100	79 - 70%	C	799-700
Final Examinatio	150	69 - 60%	D	699-600
Lab and Groupwor	250	59% or les	F	< 600
Quizzes	100			
Homework	150			
Participation and Clicke	50			
Total	1000			

The instructor reserves the right to drop any student from class if that student has missed an exam without excused absence, has missed more than two labs, appears to be failing as of Friday,)HEUXDU\ , 20 , or h many zeros for class participation grades. Students will be notified once via email before the drop; if th student corrects the deficiency, the student may remain in this class. Progress reports for freshman students due to the Registrars Office by Monday,)HEUXDU\ , 20. The grade reported at that time will include the studentÕs scores on the first exam, homework and the in-class participation grade. The last day for instruct initiated withdrawal is Friday, 0DUFK , 20 (W grade appears on academic record). An incomplete g will only be assigned if a student misses the final exam for an outstanding reason, such as a medical problem death in the family, etc.

Homework

Homework problems will be assigned using questions from the textbook in coordination with the Smartwork 5 program. Students should expect between 15 questions to be assigned each week with additional adaptive learning objectives. Homework assignments for the week will be due according to the course schedule below no later than 1pm (start of class). It is recommended that students promptly register and log in to Smartwor DV KRPHZRUN ZLOO EH DVVLJQHG ZLWKLQ WKH ILUVW FODVV S

Quizzes/Worksheets

Each student must obtain a radio frequency clicker (see above) or download the Turning Technologies a which is used in lecture to answer questions projected on the overhead. Either option can be used but stud must purchase a Cloud registration code if not obtaining a combo from the bookstore. Clicker numbers must be registered online in the Blackboard system to receive grades, as responses are recorded electronically by TurningPoint receiver and software on the classroom computer. No answers on paper will be accepted unl specified; any student found using any clicker other than their own will be in violation of the UAF honor code (see below). The quiz questions are likely to be similar to assigned homework problems and are designed help prepare for exams as well as the ACS final. Students should come prepared to class with any mater needed for the quizzes, as the quiz may be open book or open note or require a calculator. However, sharin class materials will not be permitted. Quizzes will occur the last lecture period for each chapter and consist o questions worth a total of 10 points, 3 minutes for each question. Answers will be collected through the use clickers. A total of 1 quizzes will be given throughout the semester

*If a student misses an in-class clicker quiz and is concerned about losing points, then that student should Dr. * U H H Q about making up the quiz. Dr. * U H H Q will assign textbook problems similar to the quiz problems to the student and the student must solve the problem immediately on a sheet of paper and turn in the answer. student will receive points if and only if the answers are correct.

Laboratory

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Tentative course outline and calendar

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