CHEM 122
General Chemistry
Summer 2019

Dr. Jeff Altig

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Text & Required Materials

- Chemistry: The Central Science, 14th Ed.; Theodore L. Brown, H. Eugene LeMay, Jr., Bruce E. Bursten, Catherine J. Murphy, Patrick M. Woodward, Matthew W. Stoltzfus; Pearson, Prentice Hall; 2015.
- Scientific Calculator

Computer Policy

Computer use is not allowed during lecture; so, leave your laptop at home.

Evaluation

Homework (200 pts)
> Due dates for Sapling submissions will be posted periodically.
>
> Otherwise, homework must be formatted according to the class guidelines or it will not be graded.
>
> Problem solutions must show all work required to arrive at the stated answer or no credit will be given for the problem.
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> Late Papers will be discounted: 25% for 1 day and 50% for 2 days late.

Midterm Examinations (300 pts)
> We will have 3 midterm exams; dates TBA
> Make-up exams are given at the discretion of the instructor.

Final Examination (200 pts)
> Two Hour Exam.
> ACS General Chemistry Exam; cumulative year long exam.

Quizzes (100 pts)
> Given periodically, at the discretion of the instructor.

Recitation (200 pts)
> Discussion of HW problems and other issues.
> An in-depth discussion of a particular problem.

Attendance (25 pts - extra credit)
> Must attend a minimum of 85% of the class meeting times.

Tentative Schedule of Lecture Topics

Theory
    Solutions & Colloids   Chapter 13
    Chemical Kinetics   Chapter 14
    Chemical Equilibrium
        General Theory   Chapter 15
        Acid-Base Equilibria   Chapter 16 and 17.1 - 17.3
        Precipitation Equilibria   Chapter 17.4
        Complex Ion Equilibria   Chapter 17.5
    Chemical Thermodynamics   Chapter 19

Special Topics
    Electrochemistry   Chapter 20
    Nuclear Chemistry   Chapter 21

Homework Submission/Formatting Policy

Homework is due at the start of class.
Homework submissions via email will not be accepted.

Write on the front side of the page only.
Clearly delineate where a new problem solution begins.
Provide problem solutions in the order in which they are assigned.
Multiple page submissions must be stapled.