## Dr. Jeff Altig

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## **Text & Required Materials**

- Chemistry: The Central Science, 14<sup>th</sup> 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.
- 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.