

## Chemistry 122: Chemical Principles II

### *Notes on the reading assignments:*

Ch 16: Kinetics. All sections, all sample problems. Less emphasis on section 4.

Ch 17: Chemical equilibrium. The concepts in this chapter are essential for understanding chapters 18, 19, and 20. All sections and sample problems.

Ch 12: Liquids and solids. We will focus on sections 1-3 and 6; we will not cover pp 446-451 (The Crystal Lattice and the Unit Cell), pp 457-459 (Bonding in Solids: Molecular Orbital Theory), or section 7. Work sample problems 2 and 3.

Ch 13: Solutions. Sections 1-5; sample problems 1, 3, 7, 8.

Ch 18: Acids and bases. All sections. Sample problems 2-7, 9, 10, 11ab, 13.

Ch 19: Aqueous equilibria. Sections 1-3. Sample problems 1-8.

Ch 21: Electrochemistry. In section 1, skip "Half-Reaction Method for Balancing Redox Reactions." All remaining sections, with less emphasis on sections 5 and 7. Sample problems 2-7, 10.