

27 March 2008 Protein Bioinformatics

PDF of lecture slides at course site:

<http://www.biostat.jhsph.edu/~iruczins/teaching/260.655/>

Suggested reading:

Protein Structure and Function, Petsko, Ringe [35-53\$]
Most of Chapter 1 (sections 0-10, 12-14, 19-22)

Introduction to Protein Structure, Branden, Tooze
In general

Structural Bioinformatics, Bourne, Weissig [60-74\$]
Chapter 2 and some of chapters 8+9

Objectives.

1. Define the hierarchy of protein structure
2. Describe a Ramachandran plot and how it relates to protein structure
3. Describe common secondary structure elements and their properties
4. Understand amino acid secondary structure preferences