



CHEM 330 Biochemistry I

Second Week

September 12 – 16, 2011

Assignments

- Check your answers to the Problem Sets using the keys posted on the course website.
- Chapter 4 – Reading should be completed before class on Monday (9/12/11).
- Problem set #4 due Tuesday (9/13/11).**
- Be prepared for a quiz on amino acid names, properties, and structures by Tuesday (9/13/11).
- Chapter 7 – Reading of section 7.1, 7.2 & 7.3 should be completed before class on Friday (9/16/11)
- Chapter 8 – Reading should be completed before class on Monday (9/19/11)
- Problem set #5 due Friday (9/16/11).**

Reminders

- The course website has a tutorial on pH and Buffers (as well as other useful information).
- Spartan** has the ability to generate and view models of amino acids and peptides. Instructions for Spartan installation are accessible from the website http://www.rose-hulman.edu/~brandt/links.html#Computer_Instructions. To use Spartan, you need to be connected to the campus network.)
- Download **SwissPDBViewer** and (optionally) **VMD** software for viewing protein structure (the appropriate websites may be found at <http://www.rose-hulman.edu/~brandt/links.html#Utilities>)
- If you are interested in going to Vanderbilt Open House (Sept 30 to Oct 2, let Dr. Brandt know by Sept. 16 at the latest.)

“Science is built up of successive solutions given to questions of ever-increasing subtlety, approaching nearer and nearer towards the very essence of phenomena.” – Louis Pasteur

“It is important to stress that the amino acid sequences of polypeptide chains designed to be the fabric of protein molecules only make functional sense when they are in the three-dimensional arrangement that characterizes them in the native protein structure.” – Christian B. Anfinsen (1973)

“Protonation is not forever.” – A biochemistry instructor