

CHEM 3811: Biochemistry-Proteins

Class times: 11:00-11:50 am, MWF, Boettcher Center East 209

Instructor: Professor Frank Frerman

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Text: Lehninger Principles of Biochemistry, Fourth Edition, David L. Nelson and Michael M. Cox, W.H. Freeman and Company, 2005.

Topics covered

Biochemistry: cellular context and chemical biology	Chapter 1
Water and the role of weak non-covalent bonds	Chapter 2
Amino acids, peptides and proteins	Chapter 3
Protein structure and folding	Chapter 4
Protein function, catalytic and structural	Chapter 5
Mechanisms of enzyme catalysis and regulation	Chapter 6

Examinations: Two one hour in-class examinations will be given, each worth 150 points. The final examination is a two hour examination worth 200 points.

In-class examination 1	Friday, 6 October	Chapters 1-3
In-class examination 2	Friday, 3 November	Chapters 4,5, ~6
Final examination	Comprehensive	

“Office hours” Arrange to see me before or after class on the next class day.