

MOLECULAR BIOPHYSICS

PHZ 6255

Prof. B. Gerstman

Fall 2008

Your course will be determined by a combination of in-class examinations, final examination, and homework assignments.

Syllabus

Topics

Thermodynamics

Free Energy

Protein Structure

Protein Biophysical and Biochemical Interactions

Protein Function: Myoglobin Transport of Oxygen

Protein Function: Energy and Electron Transfer

Photosynthesis

DNA

RNA

Transcription and Translation of Proteins

Vision