**Physical Chemistry for the Biosciences II (Ch 417 )**

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**Text**

Physical Chemistry: Principles and Applications in Biological Sciences  
Tinoco.Saur.Wang.Pulgisi

**Supplementary Text**

Physical Chemistry  
P. W. Atkins

**Course Description**

Intended primarily for students in the biological sciences and allied medical health fields. The emphasis is on the application of modern physical chemistry to problems of biological interest. Ch 417 includes the study of chemical kinetics, quantum mechanics and various spectroscopic techniques. These fundamental concepts find applications in variety of biological phenomena ranging from bioenergetics to electrical nerve signal transmission. The course will cover Chapters 7-10 during the winter quarter.

**Prerequisite:** Ch 223 or 203 and Ch 229, Ch 320, 321, a year of general physics, and two terms of calculus