

BCH 301: Enzymology

Part A

Dr O.A OLAOYE

3 Units

- 1. Discovery, classification and nomenclature of enzymes.**
- 2. Genetics of enzymes.**
- 3. Enzyme inhibition.**
- 4. Derivation and significance of Michaelis-Menten equation.**
- 5. Allosteric/regulatory enzymes.**
- 6. Active sites of enzymes.**
- 7. Estimation of kinetics parameters of enzymes activities.**
- 8. Production, isolation, purification and characterization of enzymes.**

Recommended study materials

- 1. "ENZYMES: Catalysis, Kinetics and Mechanisms" (Latest Edition, 2018) by N.S. Punekar.**
- 2. "Fundamentals of Biochemistry: Life at the Molecular Level" (5th Edition) by Judith G. Voet, Donald Voet, and Charlotte W. Pratt.**
- 3. Lehninger Principles of Biochemistry Eighth Edition ©2021 David L. Nelson; Michael M. Cox.**