



COURSE SPECIFICATION 2nd SEMESTER

Course Name : Biochemistry
Code : KU 125
Credit : (2-0)

Course Description:

This course study various basic chemical reactions in living cells, especially crops, related to the metabolic processes of carbohydrates, proteins, lipids, and nucleic acids.

References:

- Lehninger, Nelson D.L., Cox MM. 2007. Principle of Biochemistry 6th ed. Newyork: Worth Publisher.
- Hames D., Hooper N. 2005. Biochemistry. Third edition. New York (US): Taylor & Francis Group. Editor Elizabeth Owen.
- Heldt H-W., Piechulla B. 2011. Plant biochemistry. 4th edition. London (DE): Academic Press is an imprint of Elsevier.
- Lehninger. 1982. Principles of Biochemistry. Maryland: Worth Publ.
- Maggy Thenawidjaja. 1993. Dasar - Dasar Biokimia Jilid 1. Jakarta: Penerbit Erlangga, xv,369 hlm. illus. 23 cm
- Poedjiadi A, Supriyanti T. 2005. Dasar-dasar biokimia. Jakarta (ID): Universitas Indonesia Press.
- Soeharsono. 1982. Biokimia 1. Yogyakarta: Gama Press.
- Wirahadikusumah M. 2012. Biokimia Protein, Enzim, dan Asam Nukleat. Bandung (ID): ITB.

Topics:

1. Introduction
2. Metabolism
3. Carbohydrate
4. Lipids
5. Protein
6. Enzyme
7. Nucleic Acid