

BS (4 Years) for Affiliated Colleges



Code	Subject Title	Cr. Hrs	Semester
PHY-435	BIOPHYSICS-III (THEORY)	3	VIII
Year	Discipline		
4	Physics		

Course Outlines:

The biomechanics of human body, blood circulation, swimming and flying; Physical factors of the environment; Biophysics of hearing, ifra and ultrasounds; Biomagnetism: Magnetic effects on humans and other organisms; Ionizing radiations; Radiobiological reactions; Vision, biosensing and biomechanics; Models approaches for propagation, ecological interactions, growth, differnciation evolution and neural process.

Books Recommended:

1. *Radiation Biophysics* by L.Alpen Edward, Academic Press, (1988).
2. *Biophysics—An Introduction*. John Wiley and Son, (2002).
3. *Molecular Biophysics: Structures in Motion*, OxfordUniversity Press UK, (1999).
4. *Biophysics* by Glaser Rowland (2001). Springer Verlag, Berlin.
5. *Biophysical Thermodynamics* by T. Haynie Donald, Cambridge, University Press UK, (2001).