



**APPLIED BIOPHYSICS (Dr. Barnali Chaudhuri)**

**(2 credits)**

1. Centrifugation:
2. Electrophoretic Techniques:
3. Microscopy:
4. Cell Sorter Systems:
5. Electrochemical Techniques:
6. Spectroscopic Techniques:
7. Radioisotope Techniques:
8. Genomic and Proteomic Analysis:

***Suggested Reading:***

- *Wilson and Walker, Principles and Techniques of Biochemistry and Molecular Biology, Cambridge University Press (2010)*
- *Willard H.W., Merritt L.L., Dean J.A and Settle F.A. Instrument Methods of Analysis (VI edition), East West Publishers (1992)*
- *Strong D.A., Holler F.J and Nieman T.A., Principles of Instrumental Analysis (V edition), Saunders (1998)*
- *Wiston C, X-Ray Methods, John Wiley and Sons (1991)*
- *Verdeyen J.T, Laser Electronics, Prentice Hall (1989) \$ 150*
- *Charaschan S.S, Lasers in Industry, Van Nostrand Reinhold Co (1972)*