

530* BCH: Biochemical Methodology**(2+0) credit-hours.**

- Spectrometry: spectrophotometry (scanning), I.R. analysis, spectrofluorimetry.
- Chromatography: purification of proteins, affinity and/or hydrophobic chromatography.
- Electrophoresis: polyacrylamide gel electrophoresis (e.g. LDH isoenzymes), SDS-polyacrylamide gel electrophoresis (molecular weight determination) Immunoelectrophoresis, isoelectric focusing.
- Centrifugation: sub-cellular fractionation, molecular weight determination by sucrose density gradient.
- Radioactive counting and radioimmunoassay
- Gas chromatography of lipids
- Transport of ions in biomembranes