This course will cover basic features of experimental and computational methods in common use in molecular biophysics. It will cover the theory and practice of crystallography, NMR, calorimetry, hydrodynamics (including fluorescence and light scattering), optical and IR spectroscopy, and molecular dynamics simulations. It can serve as a follow-on course to Biophysical Chemistry I, but that course is not a pre-requisite.

The course text is *Methods in Molecular Biophysics: Structure, Dynamics, Function*, by I.N. Serkyuk, N.R. Zaccai and J. Zaccai, (Cambridge University Press, 2007). This text is recommended but is not required.

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