

ICTP DIPLOMA PROGRAMME IN CONDENSED MATTER PHYSICS 2009-2010

SYLLABUS

Biological Physics - {12 Lectures = 18 hours} M. Vendruscolo, R. Hong

1. Thermodynamics and statistical mechanics
2. Biological molecules and cellular organization
3. Intermolecular forces
4. Molecular simulations
5. Protein folding
6. Protein misfolding
7. Quantitative biology