

**Postgraduate Diploma Course in Condensed Matter Physics
2017-2018**

**Advanced Statistical Mechanics (CMP-ASM)
(12 lectures = 18 hrs)**

1. Statistical basis of Thermodynamics
2. Elements of ensemble theory
3. Quantum statistics
4. Bose-Einstein gases
5. Fermi-Dirac gases
6. Renormalisation group and Landau-Ginzburg theory