
Informations

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Class schedule

13 lectures & 13 tutorials (52 h in total): <https://ernest.unistra.fr>

Literature

- H.B. Callen, *Thermodynamics* (John Wiley & Sons, 1960).
- P.M. Chaikin, T.C. Lubensky, *Principles of Condensed Matter Physics* (Cambridge University Press, 2000).
- D. Chandler, *Introduction to Modern Statistical Mechanics* (Oxford University Press, 1987).
- B. Diu, C. Guthmann, D. Lederer, B. Roulet, *Physique Statistique* (Hermann, 1997).
- D.L. Goodstein, *States of Matter* (Dover, 1985).
- G. Grosso, G. Pastori Parravicini, *Solid State Physics* (Academic Press, 2014)
- M. Kardar, *Statistical Physics of Particles* (Cambridge University Press, 2007)
- M. Kardar, *Statistical Physics of Fields* (Cambridge University Press, 2007)
- L. Landau, E. Lifchitz, *Course of Theoretical Physics, Volume 5 – Statistical Physics* (Pergamon Press, 1980).
- D. McQuarrie, *Statistical Mechanics* (University Science Books, 2000).

- M. Plischke, B. Bergersen, *Equilibrium Statistical Physics* (World Scientific Publishing Company, 1994).
- C. Texier, G. Roux, *Physique Statistique* (Dunod, 2017).
- J.M. Yeomans, *Statistical Mechanics of Phase Transitions* (Clarendon Press, 1992).

Past written exams

Check out (and practice!) exams from the past years at <https://www.ipcms.fr/guillaume-weick/statistical-physics-tutorials-master-de-physique-magistere-m1-s1/>.