

Course on “Statistical Physics of Fields In and Out of Equilibrium”

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Spring Semester (2016)

School of Physics, Institute for Research in Fundamental Sciences (IPM), Tehran, Iran

Lecturer: Ali Naji (School of Physics, IPM)

Tutor: Bahman Roostaei (School of Physics, IPM)

Homework #1: Thermodynamics and Statistical Mechanics Prerequisite (I) Due: February 16, 2016

► Read “*Course of Theoretical Physics*”, Volume 5, Chapters 1 and 2, by L. D. Landau and E. M. Lifshitz.

1: We will discuss this chapter in the tutor session. Students may be asked to present parts of this chapter.

2: Try to come up with few physical systems as examples to accompany your presentation.