

**M.Phys Option in Theoretical Physics: C6.**  
**Class arrangements, 2010-2011**

**Michaelmas Term 2010**

Week 6: 15th and 16th November. Functionals, path integrals in quantum mechanics, stochastic processes, and statistical mechanics in one dimension. Problem Sheets 1 and 2.

Week 8: 29th and 30th November. Classical field theory. Problem Sheet 3.

**Hilary Term 2011**

Week 3: 31st January and 1st February. Canonical quantisation. Problem Sheet 4.

Week 6: 21st and 22nd February. Perturbation theory. Problem Sheet 5.

Week 8: 7th and 8th March. Many particle quantum mechanics. Problem Sheet 6.

**Trinity Term 2011**

Week 2: 9th and 10th May. Phase transitions. Problem Sheet 7.

Week 3: 16th and 17th May. Revision session for lectures by J. Chalker and F. Essler.

Week 4: 23rd May and 24th May. Revision session for lectures by A. Lukas

**Class Times and Locations in Trinity Term 2011:**

Mondays – 9th May, 16th May and 23rd May:

Group A: 14.00-15:30, DWB Fisher Room

Group B: 16.00-17:30, DWB Fisher Room

Tuesday 10th May:

Group C: Tuesday, 14.00-15:30, DWB Beecroft Seminar Room

Group D: Tuesday, 16.00-17:30, DWB Beecroft Seminar Room

Tuesdays – 17th and 24th May

Group C: Tuesday, 14.00-15:30, DWB Fisher Room

Group D: Tuesday, 16.00-17:30, DWB Fisher Room

Deadline for handing in work: 5pm Thursday in the week before the class. Please leave your work in a tray provided for this purpose in the entrance to Theoretical Physics. **Please write your name and group (A, B, C or D) on the cover page of your work.**

Allocation of students to classes is shown separately.