*Note: C=Course, TD=Directed exercice, HW=Homework*

**[1] 23/01 (F.Zamponi)**
C1: General introduction and reminders on sums and extremes of random variables
TD1: Extreme Value Statistics (EVS)
HW1: Further material on EVS

**[2] 30/01 (F.Zamponi)**
C2: Introduction to disordered systems: quenched disorder, self-averaging, etc.
TD2: The Random Energy Model (REM)
HW2: Preparation to the replica method

**[3] 06/02 (F.Zamponi)**
C3: Introduction to the replica method
TD3: The p-spin glass model
HW3: Preparation to Erdös-Rényi random graphs

**[4] 13/02 (G.Schehr)**
C4: Introduction to random graph models
TD4: Erdös-Rényi random graphs

**[5] 20/02 (C F.Zamponi, TD G.Schehr)**
C5: Random optimisation problems
TD5: The random XORSAT problem
HW4: Preparation to the Langevin and Fokker-Planck equations

**[6] 06/03 (F.Zamponi)**
C6: Out of equilibrium dynamics
TD6: The trap model
HW5: Preparation to the Harris criterion

**[7] 13/03 (G.Schehr, on zoom)**
C7: The Harris and Imry-Ma criteria, interfaces in random media
TD7: Directed polymers and interfaces in random media
HW6: The Wigner surmise

**[8] 20/03 (G.Schehr)**
C8: Random Matrix Theory (RMT)
TD8: The semicircle law

**[9] 27/03 (G.Schehr)**
C9: Localization in RMT
TD9: Dyson's Brownian motion

**[10] 03/04**
Exam