

# Sheet1

## Flavour Physics course plan

1	03 Feb	Organization, historical review, PDG	07 Feb	PDG: Gauge bosons and Higgs
2	10 Feb	No CLASS	14 Feb	No CLASS
3	17 Feb	PDG: leptons, quarks	21 Feb	PDG: unflavoured, strange mesons
4	24 Feb	Quark mixing, GIM, tau-theta	28 Feb	K-Kbar mixing, CP violation
5	03 Mar	CPV in K decays, direct vs indirect	07 Mar	K meson review
6	10 Mar	SM Lagrangian, CKM matrix	14 Mar	Unitarity triangles, sides, angles
7	17 Mar	HOLIDAY	21 Mar	Determining UT sides and angles
8	24 Mar	Neutral meson mixing and decay	28 Mar	CPV: mixing, decay, interference
9	31 Mar	Review	04 Apr	<b>MIDTERM</b>
10	07 Apr	PDG: B mesons	11 Apr	Semileptonic and radiative B decays
11	14 Apr	Hadronic B decays	18 Apr	HOLIDAY
12	21 Apr	PDG: Bs mesons	25 Apr	Angular distributions
13	28 Apr	Other B decays	02 May	B meson review
14	05 May	PDG: D mesons, CPV	09 May	PDG: Quarkonia
15	12 May	PDG: Baryons	16 May	Special topics / Presentations
16	19 May	Special topics / Presentations	23 May	<b>FINAL EXAM</b>