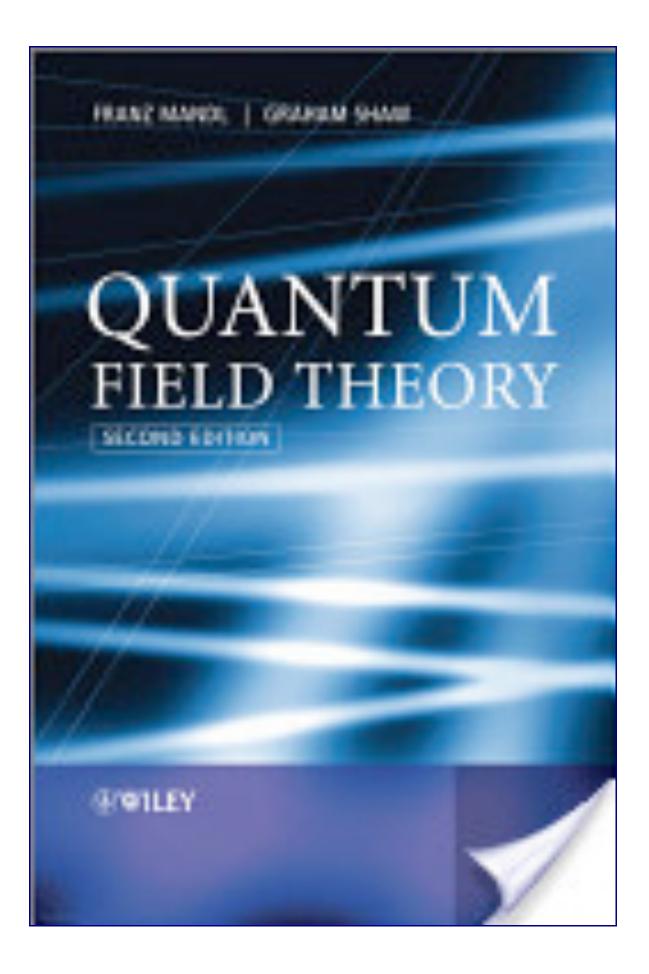
Course Outline

Course: Quantum Field Theory,II Section I Instructor: Dr Alakabha Datta Office: 209 Lewis Hall Meeting: T-Th 11-12.15 pm at Lewis 104 Office Hours: By Appointment Email:datta@olemiss.edu, datta@phy.olemiss.edu Phone: (662) 915-5611 Course homepage: Check Blackboard.

Book



## Franz Mandl, Graham Shaw

provided at the end of each chapter. New to this edition: Five new chapters, giving an introduction to quantum chromodynamics and the methods used to understand it: in particular, path integrals and the renormalization group. The treatment of electroweak interactions has been revised and updated to take account of more recent experiments. More »

Course Goals: Radiative Corrections and Renormalization, Gauge Theories, Weak Interactions, Standard Model. Some extension of the Standard Model.

Marking:	
Homework:	75 %
Final Exam:	25%
Take home Exa	n

An overall course average of the following percentages will guarantee the corresponding letter grade:

90%	А
80%	В
70%	С
60%	D