QUANTUM FIELD THEORY, PHY6648

Course Information Fall 2017

Lecturer: C. B. Thorn, NPB 2069, tel: 392-5701, email: thorn@phys.ufl.edu

Lectures: NPB 1216, MWF 9th period (4:05-4:55)

Office Hours: MW, 10th period (5:10-6:00pm), WF 8th period (3:00pm-3:50pm), and by appointment.

Textbook: Quantum Field Theory, Mark Srednicki, (Cambridge University Press, 14th printing 2014). Also Assigned problems sets and my lecture notes will be posted on the course webpage:

http://www.phys.ufl.edu/~thorn/homepage/qfinfo.html

The lectures will be self-contained, but the text will provide an important source of homework problems as well as a valuable alternative perspective on the subject.

Examinations: A final examination (scheduled for 15 December 2017, 12:30pm-2:30pm) will comprise 40% of your course grade.

Homework: Problem sets will be assigned on approximately a weekly basis and will comprise 60% of your course grade.

A score for each problem will be recorded: on a scale of 0 to 10, if handed in by the due date; on a scale of 0 to 8 if handed in within one week after the due date; and on a scale of 0 to 4 if more than 1 week late. All late homework and currently due homework must be handed in to me by 5pm on the last day of class. Note that this means that the last two homeworks will not be fully eligible for late hand in! Note that completed solutions to individual problems handed in on time will not be subject to the late penalty!

Please prepare each solution as a well-reasoned essay, explaining all important steps.

Collaboration and penalty for copying: I encourage open discussion with your fellow students on the assigned problems. However, it is mandatory that you write up your solutions individually using your own reasoning in your own words. Any submitted solution, which is found to be essentially identical to another submitted solution or to a solution posted on the department webpages or elsewhere on the internet, will be given a score of zero.