

QUANTUM FIELD THEORY: PHYS 6433, Spring 2017

Instructor: Professor Chung Kao

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Office Hours: Monday and Wednesday, 03:30 PM–05:00 PM

Class Time:

January 17 – May 05

Monday and Wednesday, 10:30 AM – 11:45 AM, in Nielsen Hall 103

Text

Introduction to Quantum Field Theory,

by Michael Peskin and Daniel Schroeder, Westview Press

Supplementary Text

(a). *Quantum Field Theory in a Nutshell*, by Anthony Zee, Princeton University Press

(b). *The Quantum Theory of Fields, Volumes 1 & 2*, by Steven Weinberg, Cambridge University Press

Exam

Final Exam: May 08, 8:00 AM–10:00 AM (Monday).

Problem Sets

A problem set will be handed out each Wednesday and it will be due at the beginning of lecture on the following Wednesday. NO late problem sets will be accepted.

Grading

Problem Sets 60%

Final Exam 40%

Total 100%

These are my expectations of you:

1. Always come to class and be prepared to discuss physics.
2. Complete assignments fully and on time.
3. Participate fully in class discussions and problems.
4. Cooperate with classmates, encourage them, and treat them with respect.
5. Come to see me when you have problems with the course or my instruction.