ADVANCED QUANTUM FIELD THEORY: PHYS 6443
Spring 2012

Instructor: Professor Chung Kao

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Office Hours: Monday and Wednesday, 04:00 PM–05:00 PM

Class Time:

January 17 – May 4
Monday and Wednesday, 02:30 PM – 03:45 PM, in Nielsen Hall 203

Text

Introduction to Quantum Field Theory,
by Michael Peskin and Daniel Schroeder, Westview Press

Supplementary Text

(a). The Quantum Theory of Fields, Volumes 1 & 2, by Steven Weinberg, Cambridge University Press
(b). Quantum Field Theory in a Nutshell, by Anthony Zee, Princeton University Press

Exam

Final Exam: May 9, 04:30 PM–06:30 PM (Wednesday).

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	50%
Final Exam	50%
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.