

Books on Quantum Field Theory

Required for PHY 6648 and PHZ6358: *Quantum Field Theory*, Mark Srednicki, (Cambridge University Press, 2007)

Recommended for PHZ7359: *An Introduction to Quantum Field Theory*, Michael E. Peskin and Daniel V. Schroeder, (Westview Press, 1995);

Quantum Field Theory and the Standard Model, Matthew D. Schwartz, (Cambridge University Press, 2014).

Other Recommended Books

1. *The Quantum Theory of Fields*, (Cambridge University Press): Volume I, Foundations, 1995, Volume II, Modern Applications, 1996; Steven Weinberg.
2. *Quantum Field Theory*, Lowell S. Brown, (Cambridge University Press, 1993).
3. *Quantum Field Theory*, Itzykson and Zuber, (McGraw-Hill, 1980).
4. *Relativistic Quantum Mechanics* and *Relativistic Quantum Fields*, Bjorken and Drell, (McGraw-Hill, 1964 and 1965).
5. *Field Theory: A Modern Primer*, Ramond, (Addison-Wesley, 1989).
6. *Quantum Electrodynamics*, vol. 4 of the Landau-Lifshitz Course on Theoretical Physics, Berestetskii, Lifshitz, and Pitaevskii (Pergamon, 1982).
7. *Quantum Electrodynamics*, T. Kinoshita, Ed., (World Scientific, Singapore, 1990).
8. *Introduction to the Theory of Quantized Fields*, Bogoliubov and Shirkov, (Wiley, 1959).
9. *Gauge Theory of Elementary Particle Physics*, T.-P. Cheng and L.-F. Li, (Oxford University Press, Oxford, 1984).
10. *Weak Interactions and Modern Particle Theory*, H. Georgi, Benjamin/Cummings, Menlo Park, 1984).
11. *Aspects of Symmetry*, S. Coleman, (Cambridge University Press, 1985).
12. *Selected Papers on Quantum Electrodynamics*, J. Schwinger, Ed., (Dover, New York, 1958).