

Quantum Field Theory: Recommended Books & Resources

There is an excellent set of lecture notes by David Tong available here:

<http://www.damtp.cam.ac.uk/user/tong/qft/qft.pdf>

A nice elementary treatment of the material covered in this course can be found in:

L. Ryder, *Quantum Field Theory*

A more comprehensive treatment of the subject is found in the classics:

M. Peskin & D. Schroeder, *An Introduction to Quantum Field Theory*

and

S. Weinberg, *The Quantum Theory of Fields (Vol. 1)*

Excellent modern texts include:

A. Zee, *Quantum Field Theory in a Nutshell*

and

M. Srednicki, *Quantum Field Theory*

which approach the subject from the Path Integral Quantization viewpoint rather than the Canonical Quantization that we follow in this course.

Videos of the legendary lectures of Sidney Coleman (1970s) are available here:

<https://www.youtube.com/playlist?list=PLhsb6tmzSpiwrZuDMyweABm7FShZu3YUv>

<https://www.physics.harvard.edu/events/videos/Phys253>

and the lecture notes are in the arxiv:

<http://arxiv.org/abs/1110.5013>