

In red my suggestions for next time (oct 1st):

For the discussion on the effective field theory viewpoint on QFT you can read section I.3 of my Cargese lectures [arXiv:hep-ph/0607055](#)

For a pedagogical presentation of effective field theories you can read

- I. Rothstein, TASI lectures on effective field theories, [arXiv:hep-ph/0308266 \(lecture I\)](#)
- chapter 6 of Claudio Scrucca's lectures <http://itp.epfl.ch/page70228.html>
- A. Manhoar, Effective field theories, [arXiv:hep-ph/9606222](#)
- D.B. Kaplan, Five lectures on effective field theory, [arXiv:nucl-th/0510023](#)

A beautiful overview on the 'wilsonian' (a must):

The renormalization group and critical phenomena.

[K.G. Wilson](#), ([Cornell U.](#), [LNS](#)) . 1993. 18pp.

Published in **Rev.Mod.Phys.55:583-600,1983**.

(I suggest to read it by oct 1st)

To see the connection between Wilsonian approach and usual approach to renormalization see

Renormalization and Effective Lagrangians.

[Joseph Polchinski](#), ([Harvard U.](#)) . HUTP-83-A018, Apr 1983. 36pp.

Published in **Nucl.Phys.B231:269-295,1984**.

To go into more depth see also:

The Renormalization Group: Critical Phenomena and the Kondo Problem.

[Kenneth G. Wilson](#), ([Cornell U.](#), [LNS](#)) . CLNS-296, Dec 1974. 244pp. Cargese lecture notes (1973).

Published in **Rev.Mod.Phys.47:773,1975**.

The Renormalization group and the epsilon expansion.

[K.G. Wilson](#), ([Princeton, Inst. Advanced Study & Cornell U.](#), [LNS](#)) , [John B. Kogut](#), ([Princeton, Inst. Advanced Study](#)) . Jul 1973. 126pp.

Published in **Phys.Rept.12:75-200,1974**.