

Short list of recommended background reading materials :

1. R. Shankar, Principles of Quantum Mechanics,
Chapter 8, The path integral formulation of quantum theory
2. M. Kardar, Statistical physics of fields,
Chapter 1. Collective behaviour, from particles to fields
Chapter 2. Statistical fields
3. P. W. Anderson, "More is different",
<https://www.science.org/doi/10.1126/science.177.4047.393>