

PHYS 660. QUANTUM CONDENSED MATTER.

Credits: 3

Offered by: Physics (Graduate Studies)

This course is not offered this catalogue year.

Description

Second quantization and quantum mean-field theory. Hartree-Fock theory, Fermi liquids. Broken-symmetry quantum phases: magnetism, charge density waves, Wigner crystals, superfluids, superconductivity. Introduction to mesoscopic physics and quantum transport. Introduction to renormalization techniques within the context of Kondo physics.

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