

PHYS 717. MANY-BODY PHYSICS.

Credits: 3

Offered by: Physics (Graduate Studies)

Terms offered: Winter 2026

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Description

Real-time and imaginary-time Green functions; Diagrammatic perturbation theory; Quantum linear response and Kubo formulae; Path-integral techniques; Fermi gas; Impurity averaging; Interacting electron gas; Magnetism; Phonons & electron-phonon interaction; Superconductivity; Luttinger liquids

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