



Faculty of Health, Science and Technology
Physics

Course Reading

Quantum many-body physics - from entanglement to emergence

Valid from 01/18/2027

Course Code: FYAD25

Course Title: Quantum many-body physics - from entanglement to emergence

Credits: 7.5

Degree Level: Master's level

Books

Coleman, P. (2015). *Introduction to Many-Body Physics*. Cambridge University Press

Reference material

Fradkin, E. (2013). *Field Theories of Condensed Matter Physics*. Cambridge University Press

Approved by the Faculty Board of Health, Science and Technology 08/25/2026