COURSE DETAIL

QUANTUM MECHANICS
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 168
UCEAP Course Suffix
UCEAP Official Title QUANTUM MECHANICS
UCEAP Transcript Title QUANTUM MECHANICS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The course deepens previous knowledge in quantum mechanics and teaches students to handle typical problems in different fields such as atomic, nuclear, solid-state, and elementary particle physics. Topics include formulation of quantum mechanics in terms of general state vectors and operators, algebraic treatment of harmonic oscillator, angular momentum and spin, perturbation theory, identical particles, and outlook on many-body quantum physics.

Language(s) of Instruction
English

Host Institution Course Number
FYSN17

Host Institution Course Title
QUANTUM MECHANICS

Host Institution Course Details

Host Institution Campus
LUND UNIVERSITY

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physics

Course Last Reviewed
2021-2022

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