

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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