COURSE DETAIL

ATOMIC AND MOLECULAR PHYSICS
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 148
UCEAP Course Suffix
UCEAP Official Title ATOMIC AND MOLECULAR PHYSICS
UCEAP Transcript Title ATOMIC&MOLECLR PHYS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course gives students fundamental knowledge of the structure of atoms and molecules and their interactions with electromagnetic radiation. The course illustrates the role of quantum mechanics as the fundamental theory for the description of the microscopic world. In the experimental part of the course, students work with modern spectroscopic techniques. The course highlights that atomic physics is a very large, active, and wide research area in Lund. Students train their problem-solving skills and their ability to write scientific reports.

Language(s) of Instruction
English

Host Institution Course Number
FYSC11

Host Institution Course Title
ATOMIC AND MOLECULAR PHYSICS

Host Institution Course Details

Host Institution Campus
Science

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physics

Course Last Reviewed

Print