

Växelvekan mellan ljus och materia
Quantum Optics
General information, spring 2010

Teacher

Emil Lundh
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Literature

R. Loudon, "The quantum theory of light"
Anders Kastberg and Mats Nylén: "Exercises Quantum Optics" (2006), downloadable from homepage

Homepage

<http://www.tp.umu.se/~lundh/vxv>
Can also be reached from the usual physics homepage

Lectures and problem classes

There will be 18 lectures and 5 problem classes. See separate schedule. There are no labs in this course.
Lecture notes will be made downloadable from the homepage.

Hand-in assignments

There will be 6 hand-in assignments which amount to 30 percent of the total grade for the course; the exam gives the remaining 70 percent. Deadlines for the six hand-in assignments are 19/4, 29/4, 11/5, 18/5, 25/5 and 26/5, respectively. No exceptions will be given. The assignments can be found in electronic form at
<http://www.tp.umu.se/~lundh/vxv/assignments/assignments.html>

Examination

10-06-03 9-15 sal 4
10-08-25 9-15 sal 5
(Again, note that there are hand-in assignments in addition to the exam)