

Information about FMFF15

Quantum mechanics and mathematical methods.

Course structure

The course consists of three different parts:

1. Lectures, held at Fysicum.
2. Exercises, held at Fysicum.
3. Project.

The examination

The course is assessed as follows:

1. Hand-in assignments

The website features the homework assignments for the mathematics part of the course. The hand-ins should be solved and submitted individually in week 5 of the course. The solution must be written in English. Completed assignments are needed to pass the course.

2. Project

You can choose between three different projects (project descriptions are available on the website). The selection of projects will be done in week 5. It is desirable that you cooperate in groups of two. Each group may agree with the supervisor on meetings during the course to discuss how the project progresses. The project is presented in a written report, written in good writing style. The report should be submitted in the end of week 7. The project must be approved in order to get the course approved. A non-approved report will be given back to the student with a description of what needs to be supplemented.

3. Written exam

The course ends with a written exam on the quantum mechanics part of the course. The exam is on chapters 5-9 in Gunnar Ohlens book with an emphasis on chapters 5-7. To pass, the exam, it is required to score around 15 out of 30 points.