

## Recommendations for course content for PhD students.

### **DEPARTMENT OF PHYSICS, UNIVERSITY OF GOTHENBURG**

The Drafting Committee for PhD studies (Arbetsgruppen för forskarutbildning) gives the following recommendations for the (60 credits/hp) course content for PhD students at the department. The list does not in any way replace the regulations in the syllabus (allmänna studieplanen) set by the Faculty of Science and should instead be seen as a way to harmonize the view on PhD courses among the supervisors and examiners at department.

1. Mandatory courses **as specified in the syllabus** are:
  - *Introductory course for third-cycle students*, 1.5hp (given by the Faculty of Science)
  - *Teaching and Learning in Higher Education (1)*, 5hp (given by PIL as HPE101)
  
2. Required advanced level physics courses (all 7.5hp):  
The student should take the two courses (or equivalent):
  - *Quantum Mechanics*
  - *Experimental Physics*and two out of the three of the following advanced level courses (or similar):
  - *Non-equilibrium Processes in Physics, Chemistry and Biology*
  - *Computational Physics*
  - *Experimental Design*

It is recommended that up to 30 credits of advanced level courses can be transferred from earlier studies. (Credits thus possibly counted both in a master and a PhD degree.)

Only credits beyond the 240 (including 60 advanced) credits required for enrolling in PhD studies can be transferred.

Transfer of credits is an option, not an obligation. In the case that required courses (point **2**) are transferred, the student is not obliged to count these as part of the total 60 credits.

At least 15 credits (including the 5hp mandatory course HPE101) of non-physics related “generic-skills” courses should be allowed. (Examples are courses on written or oral communication skills and project management.)

Other activities, such as summer schools or reading courses may be counted for credits as judged appropriate by the examiner.

Transfer of credits does not imply a shortening of the study period.