

DEPARTMENT OF PHYSICS: Detailed stipulations regarding doctoral studies in Physics

Bases: *The Ordinance on Doctoral Studies at ETH Zurich, 1 July 2008, and the implementation procedures of the Rector regarding the Ordinance on Doctoral Studies, 1 September 2008.*

Pursuant to Art. 25 of the Ordinance on Doctoral Studies, these stipulations regulate the acquisition of credits during doctoral studies. Either the departmental secretariat or the Director of Studies monitors the acquisition of required credits. The composition of credits must be submitted in advance in writing. The department certifies the completed credits when the student registers for the doctoral examination.

1. Physics courses open to all ETH Zurich doctoral students

All courses in the discipline of Physics (including supplementary courses for the teaching qualification in Physics) listed in the current Course Catalogue are open to ETH Zurich doctoral students.

2. Courses open to doctoral students in Physics

Doctoral students in the discipline of Physics may attend courses listed in (1); all courses from the disciplines Physics, Mathematics and Computational Science and Engineering; degree programmes and MAS degree programmes; D-GESS; and courses in the disciplines of Physics and Mathematics at the University of Zurich. They may attend further suitable courses by agreement with the supervisor or the Director of Studies.

3. Credits

Credits are awarded for **individual student achievement** (Art. 22.4 Ordinance Doctoral Studies). Individual student achievement in courses (see (1) and (2)) must be checked and certified by the responsible lecturer. For D-PHYS sufficient proof of individual student achievement is regular attendance of the course and the completion of exercises, plus (if required) the giving of presentations and participation in discussions. In general, lecturers confirm individual student achievements via the confirmation of course attendance for doctoral students (<http://www.rektorat.ethz.ch/doctorate/studies>); completion of the course unit examination is not required. Doctoral students must enrol in the selected courses in "myStudies". In other cases the thesis supervisor monitors and certifies individual student achievement (in general 1 credit corresponds to a workload of 25-30 hours). Credits recognised towards doctoral studies need not be identical with the ECTS credits listed in the Course Catalogue. Credits are normally issued for the following:

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| a) Courses in category (2), per weekly hour during the semester
(A maximum of 8 credits may be recognised towards the additional teaching qualification in Physics.) | 1 credit |
| b) Project studies (special smaller projects not associated with the theme of the dissertation, by agreement with the supervisor) | 1 credit |
| c) Participation in courses in summer-school form (1-3 weeks in duration) | (1-4) credits |
| d) Talks or poster presentations at workshops or conferences, and participation in the didactic training courses offered by D-PHYS. | (1-4) credits |
| e) Further individual student achievements by agreement, e.g. continuing education courses in informatics, language courses, courses on experimental and theoretical methods etc., and participation in university or professional bodies (at the suggestion of the supervisor and with the agreement of the Director of Studies) | |

The supervisor decides how the minimum number of 4 credits "outside the research area of the doctoral dissertation" should be acquired by the doctoral student. The Director of Studies has the final say in disputes between the doctoral student and the supervisor.

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This English translation is for information purposes only. The German version is the legally binding version.