

## **Teaching Programme for the Doctoral Studies at the Faculty of Physics University of Warsaw**

1. The doctoral studies at the Faculty of Physics are individual intramural studies pursued under the guidance of an academic tutor or supervisor and continue for 4 years. PhD students who started before AY 2018/2019 can prolongate their studies by 2 years. PhD students who started in AY 2018/2019 can prolongate their studies by 1 year. It is planned to close the PhD studies at the Faculty of Physics after the end of AY 2022/2023.

The studies cover the area of exact sciences, the field of physical sciences, disciplines: physics, astronomy, biophysics and geophysics.

2. The studies' syllabus includes:

**a) For doctoral students who started their studies in the academic year 2012/2013 and 2013/2014:**

- classes in general subjects, which can be held also in form of distance learning, jointly for all doctoral studies – 60 hours in total; those classes should be passed during the first and the second year of studies; 6 ECTS;
- classes in subjects related to the scientific discipline of pursued doctoral studies, including lectures and academic seminars:
  - in average, 30 lecture hours per term for 3 years (i.e. at least 180 hours throughout the course of studies), 18 ECTS;
  - seminars and discussion sessions (*konwersatorium*), at least 160 hours throughout the course of studies, 16 ECTS;
- During the four years of doctoral studies, doctoral students must teach (or participate in teaching) educational classes for 240 hours, including 75 hours as professional practice; 15 ECTS.  
The number of class hours in individual years can be adjusted to the requirements of doctoral student's academic work, provided that it does not exceed 90 hours of educational classes a year;
- student-selected classes which develop teaching skills – University Teaching, 15 hours, 5 ECTS.
- individual academic work, under the guidance of an academic tutor or supervisor. The result of individual academic work is, in particular, the doctoral thesis.

**b) For doctoral students who started their studies in the academic year 2014/2015 , 2015/2016, 2016/2017, 2017/2018 and 2018/2019:**

- classes in general subjects, which can be held also in form of distance learning, jointly for all doctoral studies – 60 hours in total; those classes should be passed during the first and the second year of studies; 6 ECTS;
- student-selected classes which develop teaching skills – University Teaching, 15 hours; this class should be passed during the first year of studies, 5 ECTS;
- classes related to the scientific discipline:
  - lectures, 120 hours through the course of studies, 12 ECTS;
  - seminars and discussion sessions (*konwersatorium*), 120 hours throughout the course of studies, 12 ECTS;

- professional teaching practice (as part of teaching classes) 10 hours a year throughout 4 years of studies, 6 ECTS;
- during the four years of doctoral studies, doctoral students, if they collect the faculty scholarship must teach (or participate in teaching) educational classes for 240 hours;

3. The doctoral student's individual plan of classes and the plan of academic work for the next year is agreed together by the academic tutor/supervisor and the doctoral student, and should be filed with the report for the previous year (in case of first year students – by 31 October of the year, in which the doctoral student was admitted).

4. The plan may include classes taken during domestic or foreign internships and scientific schools.

5. If the doctoral student did not graduate in physics or astronomy, or the topic of his/her doctoral thesis considerably differs from the specialisation, in which he/she graduated, the Head of Studies – in consultation with the doctoral student's academic tutor – may refer the doctoral student to additional classes. In this case, it is determined during the recruitment procedure what type of additional classes the student should take and how those classes should be passed.

6. In justified instances, e.g. when the doctoral student needs to expand his/her knowledge significantly, when the student takes an academic internship longer than 3 months, or the student is in difficult financial situation that forces him/her to look for a job, the Head of Doctoral Studies can – in consultation with the Deputy Director for Educational Matters of the relevant Institute – reduce the hours of educational classes which the doctoral student must teach.