H. Education programme in *Physics* in the discipline of physical sciences with English as a medium of instruction

Application requirements

The *Physics* programme at the Doctoral School of Exact and Natural Sciences welcomes applicants holding a Master's degree, a Master of Engineering degree or an equivalent degree received in the field of exact and natural sciences or in engineering and technology.

In exceptional cases and taking into account scientific achievements of high quality, a person referred to in Article 186(2) of the Act, who does not hold a Master's degree and who is a graduate of the first-cycle study programme or a student who has completed the third year of the long-cycle study programme but who has a student status in a field from among those indicated above, or who has completed such studies, may also apply for admission to this programme.

In order to verify whether the condition referred to in Article 186(2) of the Act is met, the applicant is required to submit two opinions confirming high-quality research and the degree of progress to date of their research. These opinions are issued by scientific advisors holding a postdoctoral degree, or who are employees of a foreign university or scientific institution and who have outstanding achievements related to the programme in question.

The Director, in consultation with the chairperson of the admission committee, shall decide whether an applicant meets the condition referred to in Article 186(2) of the Act.

Admission criteria

The order of applicants on the ranking is determined by their final admission scores on the basis of 1. the grade average of their first-cycle programme and second-cycle programme, or the long-cycle programme (0–50 points), 2. other achievements, such as internships, publications, participation in research projects, schools (e.g. summer schools), conferences, scholarships or awards; they are assessed on the basis of the submitted curriculum vitae (0-20 points), and 3. the result of the interview (0-30 points).

In special cases, the decision is made by the admission committee.

Admission procedure

The admission procedure consists of two stages.

In the first stage, the *S* score (0-50 points) is calculated and the applicant's previous achievements (0-10 points) are scored according to the rules described below.

Applicants who, in the first stage, received the highest number of points, which is by 40% higher than the established number of places available for the programme (an admission limit), are admitted to the second stage of the procedure. However, the committee may invite more applicants to the second stage. Other applicants are placed in the ranking list according to the number of points they received in the first stage.

In the second stage, an interview is conducted. The interview may be held in Polish and/or English.

The average of the grades from the applicant's studies (grade point average) is calculated according to the formula:

$$S = \left[\left(\frac{Sb}{Mb}\right) * 30 + \left(\frac{Sm}{Mm}\right) * 20\right]$$

where:

Sb is the grade average obtained in the first degree programme calculated according to the rules valid at the awarding institution,

Mb is the best grade possible,

Sm is the grade average obtained in the first year of the second-cycle programme, calculated according to the rules valid at the awarding institution,

Mm is the maximum (the best) grade on the scale valid at the applicant's home university; for the long-cycle programme the grade ***Sb = Sm*** should be taken as the average for the completed years of studies.

In the case of a grading scale different than the one in force at the Jagiellonian University, the admission committee decides on how to calculate the S.

The applicant's academic achievements are assessed on the basis of the submitted curriculum vitae and other documents, on a scale from 0 to 10 points offered by each member of the committee; the final score is the average of these marks.

The interview is designed to test the applicant's suitability for the education at the Doctoral School and is conducted within the following areas:

1. the applicant's thesis and academic achievements (0-10 points)
2. the applicant's scientific and research interests and plans (0-10 points)
3. important problems in physics (0-20 points).

Each point (1– 3) is assessed separately according to the indicated scale. The final interview score is the arithmetic average of the scores offered by the committee members who have participated in the interview.

Applicants who did not take part in the interview receive 0 (zero) points for this stage of the admission procedure.

Calculating admission score

The final admission score ***W*** is a number determined for all the applicants as the sum of the points received in the entire admission procedure.

Only those applicants whose final admission result is 60.00 points minimum will be admitted to the programme.