**Evaluation criteria for admission to the**

**PhD in PHYSICS**

**(XXXIX Cycle)**

**Qualifications, project and oral exam will be evaluated according to the following evaluation grid:**

**1. Qualifications (max 25 points)**

1.a Degree grade (Bachelor’s degree, three-year – max 3 points)

|  |  |
| --- | --- |
| **Grade** | **Points** |
| 110, 110 cum laude | 3 |
| 106 -109 | 2 |
| 100 -105 | 1 |
| <100 | 0 |

1.b Degree grade (master's, specialist or single-cycle - max 17 points): weighted average of the marks obtained in the exams taken, with the addition of 0.3 marks per each laudem, multiplied by the ratio between the credits earned and the total number of credits (120). An extra 1 point is attributed for the achievement of the degree.

|  |  |
| --- | --- |
| **Grade Average** | **Points** |
| >30.5 | 16 |
| 29.5-30.5 | 14 |
| 28.5-29.5 | 12 |
| 27.5-28.5 | 10 |
| 26.5-27.5 | 8 |
| 25.5-26.5 | 7 |
| 24.5-25.5 | 6 |
| 23.5-24.5 | 5 |
| 22.5-23.5 | 4 |
| 21.5-22.5 | 3 |
| 20.5-21.5 | 2 |
| 19.5-20.5 | 1 |
| <19.5 | 0 |

1.c Other qualifications and publications (max 5 points)

|  |  |
| --- | --- |
| **Description** | **Points** |
| Publications | 1 each (max 2 points) |
| Scientific Prizes | 0.5 each (max 1 point) |
| Conference contributions and posters | 0.5 each (max 1 point) |
| Research experience and grants (months) | 0.5 each (max 1 point) |

**2. Research Project (max 15 points)**

For selection purposes in the admission to the PhD course, the candidate must present a research project that must not exceed the maximum length of 6 pages (12 , line spacing 1.5), including bibliography. The candidate should express his attitude to research and his ability to independently organize the various phases of the project. This project, presented only for competition purposes, does not constitute an obligation for the admitted candidates to carry out the indicated research program during their PhD course.

In particular, the following will be evaluated:

• Knowledge of the state of the art (3 points)

• Originality and innovative content (3 points)

• Clarity and completeness of the presentation of objectives, methodologies and potential results (3 points)

• Project feasibility (3 points)

• Relevance of the project to the scientific objectives of the PhD course (3 points).

**3. Oral Interview (max 60 points)**

Candidates who have obtained an overall mark of at least 24 points in the assessment of their qualifications and research project are admitted to the oral exam. During the oral exam, aspects concerning the qualifications presented and the research project will be examined and clarified, the scores of which will be attributed as follows:

• Discussion of the topics related to the research project (20 points);

• Discussion of the candidate's qualifications: clarity of the exposition, capacity for synthesis and scientific interest of the curriculum (30 points);

• foreign language (10 points).

The oral interview is passed with a minimum score of 36 points.

**The minimum overall score for admission to the PhD course is 60/100.**

**For candidates from foreign universities, the marks and averages are multiplied by the ratio 30/N (30 out of N) with N equal to the maximum mark achievable in evaluating the profit of the university study course exams (three-year or master's degree) attended . The evaluation grid of the average marks of the exams of the degree courses attended abroad will take into account the percentile distribution of the marks where available.**