
**CALL FOR ADMISSION TO THE DOCTORAL PROGRAM
OF THE GRADUATE SCHOOL OF PHYSICS AT THE
FEDERAL UNIVERSITY OF RIO GRANDE DO SUL**

- Replaces the previous Call for Admission to the Doctoral Program of PPGFís from Dec 17th, 2019 -

The Graduate Program in Physics (PPGFís) at the Federal University of Rio Grande do Sul (UFRGS) announces the selection procedure regulations for admission and enrollment in the Doctoral Program in Physics.

The Doctoral Program comprises the research areas Experimental Physics, Theoretical Physics, and Astrophysics. There is no preset number of vacancies for each research area.

- REGISTRATION -

- Registration is open all year round and is free of charge.
- Registration consists:

- * Which begins by sending the REQUIRED DOCUMENTS as listed below:

- Applicants should hold a Master degree in Physics, Astrophysics, Astronomy or Physics-related areas issued by a Brazilian or international institution, or holders of a bachelor degree (undergraduate) in any area that did not complete a Master degree but are in the top two quartiles of the Unified Exam of Graduate Courses in Physics (*Exame Unificado das Pós-Graduações em Física - EUE*), which includes our program. Important notice:

- * The *Master* degree means a *strictu sensu* Master degree, exclusively.
 - * For those applying to Astrophysics, a Masters in Astrophysics or Astronomy is considered equivalent to a Master in Physics for all purposes.
 - * Applications can be accepted for candidates who have not yet completed their Master degree, provided the dissertation defense date is officially set for (i) the month in which the application is submitted or (ii) the first half of the following month.

- The registration process must be carried out electronically only. With the exception of letters from recommendation, all BASIC DOCUMENTATION must be converted to PDF or image and attached on the registration form through the link: <https://forms.if.ufrgs.br/index.php/125254>.

DOCUMENTS REQUIRED FOR APPLICATION:

The candidate must have an approved advisor among those accredited in the PPGFís/UFRGS, to guide you during the Doctoral Course in the organization and execution of a Doctoral Plan. The documents required to guarantee the application to the Program, fulfilling the requirements above, are the following (PDF or image):

- Application form ([link](#)) completed;
- Proof of scoring in the Unified Examination of Graduate Courses in Physics (EUF) of any of the last ten editions prior to the expiration of the registration deadline for this announcement, if obtained. The equivalence of other examinations that evaluate the knowledge in Physics (as GRE) and other exceptionalities related to the application will be assessed on a case-by-case basis. Applicants from related areas must take the EUF exam. Any exam, in the context of this call, is valid for 05 (five) years after its occurrence;
 - A copy of the Master degree in Physics or correlated area, if obtained, or a document from the Graduate Program of origin certifying that the date of the dissertation's examination is officially set for the month in which the registration is presented or for the first half of the following month.
 - Complete graduate school record, if it exists, certified by the institution of origin, containing all disciplinary remarks or blockages, if any. For foreign applicants, it is necessary to include the criteria adopted by the course, which relate concepts and / or grades to its evaluation system;

Two (2) Letters of Recommendation according to the model ([link](#)). Each letter should be sent directly to the address cpgfis@ifufrgs.br, through the recommendant institutional email address. Letters sent from generic addresses, or the candidate's, or sent after the deadline for registration will not be considered;

- Up-to-date Curriculum Vitae (Brazilians must submit their Lattes curriculum);
- For those with legal residence in Brazil: copies of the Individual Taxpayer's Registry (CPF) and General Registration (RG) if Brazilian or National Foreigners' Register (RNE) otherwise. For those applying from overseas a copy of the identification page of the applicant's passport;
 - The model statement ([link](#)) signed by the applicant certifying that all documents sent to PPGFís / UFRGS are authentic copies of the originals and that the school records submitted show all failures and cancellations during undergraduate studies and Master degree, if applicable.
 - The following COMPLEMENTARY DOCUMENTATION is required to complete the application.
- * Statement ([link](#)) from the advisor confirming his interest in the candidate's doctoral plan;
- * The doctoral plan proposal, including abstract (prepared in conjunction with the candidate), to be submitted to the program committee's evaluation.
- * An *ad hoc* referee opinion, indicated by the Physics Graduate Studies Committee (CPGFís), who will jointly evaluate the work proposal and doctoral plan. The proposal, plan and referee report must be approved by the Graduate Committee;

- APPROVAL OF REGISTRATION -

The registration of the candidate will be approved by the Selection Committee and will be considered valid only if:

- * Copies of all documents listed above have been submitted;
- * The proponent's area is related to Physics (in case of candidates from other areas, the approval is at the discretion of the Graduate Committee);
- * The doctoral plan and advisor have been approved by CPGFís.

- SELECTION -

The selection, based on a final grade detailed below, will be made by CPGFís following a Selection Committee recommendation. The candidate whose registration has been approved will undergo an evaluation process, which will take into account the grades obtained as specified below:

- **MASTER EXAMINATION RECORD (MER):**
 - * ACADEMIC EFFICIENCY ANALYSIS
 - * ACADEMIC PERFORMANCE ANALYSIS
- **EUF REVIEW GRADE**
- **MEMORIAL PRESENTATION**

ANALYSIS OF MASTER RECORD:

The analysis of the MER yields an average grade, given by the arithmetic mean of two partial marks:

- P1, for academic efficiency and
- P2, for academic performance

defined below:

- $P1 = 3 * 730 / T$, rounded to two decimal places.

- "T" is the time needed for the completion of the Master degree (measured in days). When "T" is less than two years (730 days), T = 730 will be used. If "T" is greater than three years (1095 days), T = 1095;
- **P2** is given by the arithmetic mean of the grades obtained from courses taken during the Master degree, excluding seminars, teaching or research internships. The average is weighted by the respective number of credits of the subject matter of each course.
 - * The correspondence between grades (A, B, C, D, FF) and numerical values for the purpose of grade point average calculation is the following: A = 3, B = 2, C = 1, D = FF = 0.
 - * For candidates whose academic records are graded between 0 and 10, the following correspondence is used: C = from the minimum passing grade to 7.49; B = from 7.50 to 8.99; A = from 9.00 to 10. Grades below the minimum required are ranked as D.

The partial marks and, consequently, the average grade (= GRADE MER) of the school record are between 0 (zero) and 3,00 (three).

ANALYSIS OF THE EUF REVIEW SCORE

The EUF score obtained by the candidate will be used as one of the evaluation criteria and, by way of standardization, the grade will be converted into a score by calculating (with data for the same exam):

$$\text{SCORE} = (\text{average grade of candidate in the EUF} - \text{average grade in the EUF}) / \text{standard deviation} + 1.5$$

Afterwards, it is assumed EUF = SCORE. Scores greater or equal to three (3) will be set to three (3). Zero (0) or negative scores will be set to zero (0).

MEMORIAL PRESENTATION

The memorial presentation includes an analysis of the candidates curriculum vitae and Master degree.

FINAL GRADE:

The FINAL GRADE of a candidate used as criteria for admission is:

The **FINAL GRADE** of each candidate will be equal to the average among

EUF GRADE, and the MER GRADE, and Memorial Defense,
or between EUF GRADE and Memorial Defense if the candidate did not obtain a
Master, multiplied by a grade related to the letters of recommendation, with
two decimal places with rounding.

The candidates shall be deemed APPROVED
FINAL GRADE equal to or greater than 2.00 (two).

LETTERS OF RECOMMENDATION

The letters of recommendation will receive a grade of 0 (zero), does not recommend, or 1(one).

- ENROLLMENT -

Those approved applicants may enroll in person or by a proxy with the submission of the following additional items:

- **Application for Registration**, according to model ([link](#)).
- The following documents must be presented as **originals or authenticated copies** (the same documents submitted at the time of registration):
 - * Diploma or official certificate of completion of a Master's Degree in Physics or related field;
 - * Graduate School Record, certified by the institution of origin;
 - * the CPF and RG (for Brazilian citizens) or RNE (foreign nationals with legal residence in Brazil). The RNE must have a validity of at least one month (in the absence of the above documents, the candidate must submit a copy of the identification pages in the passport and of the page with the valid temporary visa. All foreign nationals traveling to Brazil whose countries participate in a visa-waiver program received a 90-day temporary legal stay at the port of entry. Please consult the local Brazilian Consulate for further information).

- Timetable –

Disclosure of Notice:	April 12th, 2021
Period of registration:	Open all year round
Announcement of accepted applications:	Up to three (3) business days after approval by the CPG of the adviser and the Doctorate Plan.
Announcement of those approved in the selection:	In the second half of each month, for registrations received during 30-day period starting with the 16th of the previous month and the 15th of the current month. There is a two day period for formal complaints after the announcement.
Period for forwarding documents:	Up to five (5) business days after the disclosure of the results. The partial marks and, consequently, the average grade (= GRADE MER) of the school record are between 0 (zero) and 3,00 (three).
Entrance Period: Enrollment period:	Entrance occurs on the first business day of the month following the publication of the respective approval. The date of enrollment is informed in an e-mail sent by the Graduate Office of the PPGFís. For those candidates whose Master defense is scheduled to be completed in the first half of the month of entrance, the acceptance will be conditional and will only become effective after proof that the Master has been completed.
Validity of the selection:	Until the final date of registration.
Validity of this Call:	No expiration until further notice.

GENERAL PROVISIONS:

- All results regarding this announcement will be published on the website of the Post-Graduate Program in Physics of UFRGS: (<http://www.if.ufrgs.br/if/en/ppgfis/>). A monthly list of accepted candidates is released in the second fortnight of each month. This list refers to registrations received during the period of a month comprising the second fortnight of the previous month and the first fortnight of the current month.
- For information on the Unified Examination of Graduate in Physics (EUF), access <https://www.ufrgs.br/euf/>.
- There is no pre-established limit on the maximal number of admissions to the Doctoral Program of the PPGFís / UFRGS.
- The Graduate Committee will communicate in writing to those applicants whose registrations have been rejected, and on what grounds.
- It will be up to the Graduate Committee to analyze and approve the selection and ordering of the candidates, carried out by the Selection Committee.
- Admission to the Physics Doctoral Course takes place on the first working day of the month following the publication of the respective approvals. It is officialized with the registration at the PPGFís Office on the date informed by e-mail to those approved.
- In the case of a candidate (a) with the judgment of the Master Dissertation scheduled for the first fortnight of the month of admission, this will be conditional, being confirmed by proof of the effective end of the Master degree.
- Approval by the Selection Committee does not guarantee a student's right to a doctoral scholarship. The availability of scholarships in the PPGFís / UFRGS is subject to the existence of grants from official research institutions or from other sources the PPGFís / UFRGS eventually obtains. The approved candidate can however join the program even without a scholarship at their own choosing.
- The Graduate Committee will be responsible for allocating scholarships to those approved in this Selection, based on the classification of candidates.
- Complaints may be forwarded by the candidate within 2 (two) business days after the disclosure of the results, by means of a written and signed statement directed to the Office of the PPGFís / UFRGS. In the text the candidate whose application has been rejected needs to expose his arguments against the decision. For those living in other localities, this complaint can be sent by e-mail in the form of a PDF or image in addition to the original letter of complaint sent by regular mail to the Physics Graduate Office.
- The due date of this notice must be explicitly declared in a new notice that replaces it, thus guaranteeing the validity of the rules defined herein for the evaluation of registrations submitted up to the date of replacement.
- Candidates with special needs must explicitly inform the PPGFís of their needs so that the possibilities of attending to these needs can be evaluated, under any circumstances.
- All cases not explicitly detailed here will be evaluated by the Physics Graduate Committee.

Porto Alegre, April 12th, 2021

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