

OPENING OF THE SELECTION PROCESS OF ENTERING THE GRADUATE PROGRAM IN PHYSICS OF THE PHYSICS INSTITUTE OF SÃO CARLOS IN THE 1st SEMESTER OF 2018.

The Postgraduate Commission (CPG) of the Physics Institute of São Carlos (IFSC), in using its powers stipulated in Article 39 of the USP Graduate Rules, makes public the opening of registration and sets standards for the admission selection process to the 1st semester of 2018 in the Graduate program in Physics, Masters and PhD levels offered by the Physics Institute of São Carlos (IFSC), University of São Paulo (USP).

1. GENERAL PROVISIONS

1.1. The selection process for the Master and PhD in Pure and Applied Physics will consist of two steps: i) a written examination, of eliminatory and classificatory nature as specified in section 2 and ii) analysis of the academic merit as proved by documentation, as specified in section 7.

1.2 The "Exame Unificado de Pós Graduação em Física (EUF)" (Unified Examination for Graduate Courses in Physics) is a exam organized by the Instituto de Física - USP, Instituto de Física de São Carlos - USP, Instituto de Física "Gleb Wataghin" - UNICAMP, Instituto de Física Teórica - UNESP, Universidade Federal do ABC - UFABC, Universidade Federal de São Carlos - UFSCar, Universidade Federal do Rio Grande do Sul - UFRGS, Universidade Federal de Minas Gerais - UFMG, Universidade Federal de Pernambuco - UFPE, Universidade Federal do Rio Grande do Norte – UFRN, with its own rules (edital) available at <http://www.faurgs.ufrgs.br/EUF2018-1.htm>

1.3. This selection process is open for candidates with a graduation diploma or those who graduated until the last day of the registration process.

1.4. Registration for EUF should be done following the instructions available at <http://www.faurgs.ufrgs.br/EUF2018-1.htm>

1.5. There is no fixed number of openings in the program and all the candidates that fulfill the requirements will be accepted.

2 . WRITTEN EXAMINATION

2.1 Application :

2.1.1. All candidates applying for the selection procedure for the graduation program at IFSC must register for the EUF using the link <http://www.faurgs.ufrgs.br/EUF2018-1.htm>

2.1.2. Examinations (EUF) carried on from the selection procedure realized between 14 and 15 October 2015 are valid for this selection procedure. The grades to be used in this selection procedure will be normalized following the rules explained in section 4. Average grades for the previous EUF exams will be available at http://www.ifsc.usp.br/posgraduacao/index.php?option=com_content&view=article&id=185:processo-seletivo-fisica-basica-e-aplicada-1-semester-2018&catid=9:uncategorised

2.1.3. Candidates who take the written examinations more than once will be considered, for purposes of inscription, only the grade from the last examination .

2.2 Contents of Exams:

2.2.1 The contents of the exam follows the rules of EUF available at <http://www.faurgs.ufrgs.br/EUF2018-1.htm>

3. APPLICATION

3.1. The application for EUF will be governed by the rules set out in the announcement of the EUF, prepared and published jointly by the institutions that participate in its implementation available at <http://www.faurgs.ufrgs.br/EUF2018-1.htm>

4. ASSESSMENT OF WRITTEN EXAMINATION

4.1. The EUF will be evaluated on a scale of 0 (zero) to 10 (ten) with an accuracy up to the second decimal place,

4.2. The grade of the candidate in EUF will be normalized according to the following algorithm: let N_i be the grade of a candidate, N_{tot} the total number of students which took the exam in the EUF

identified by letter j. The average grade of the of EUF j is defined as $MEUF_j = \frac{\sum_{i=1}^{N_{tot}} N_i}{N_{tot}}$. The average grade $MEUF_j$ will be calculated with an accuracy up to the second decimal place.

4.3 The normalized grade of the candidate to be considered in this selection process is defined as $NNorm_i = (N_i \times 5) / MEUF_j$. The grade $NNorm_i$ will be calculated with an accuracy up to the second decimal place.

4.4 Candidate with **NNomi** equal to or larger than 4 (four) will be considered qualified in this selection procedure.

5 . REGISTRATION IN THE MASTER AND PhD PROGRAMS IN PURE AND APPLIED PHYSICS AT IFSC

5.1 Candidates should register in the period between the 06th and 15th December 2017, at the "Serviço de Pós-Graduação" at IFSC-USP, from Monday until Friday, from 09h30 to 11h30 and from 14h to 16h, excluded holidays at the address:

Instituto de Física de São Carlos - IFSC/USP
Serviço de Pós-Graduação
Avenida Trabalhador São-carlense, 400
Parque Arnold Schimidt
CEP: 13566-590
São Carlos - SP, Brazil

5.2 Registrations can be made in person or by post. Entries sent through the Post Office must be postmarked by the last day of registration, by Express Post (SEDEX, FEDEX, DHL, or similar) method or equivalent method, in the case of candidates from other countries, and will only be valid if received by Graduate Office of IFSC by the fifth business day after the close of entries .

6. DOCUMENTS REQUIRED FOR REGISTRATION

6.1 Upon registration, applicants must submit the following documents:

Application Form (available in the graduate page, in the IFSC <http://www.ifsc.usp.br/~posgraduacao/> Portal, the **General** item, sub item **Forms**);

- a) Copy of ID or Passport/RNE for foreign applicants (or protocol);
- b) Copy of Voter Registration, Certificate of Reservist, Birth Certificate and, where applicable, Marriage Certificate;
- c) Copy of analytic transcript of undergraduate and master's degree, if any, even if incomplete for recently graduated students;
- d) Lattes/CNPq CV (for Brazilian candidates or foreigners who have their data included in this platform) or Curriculum Vitae (for foreign applicants), duly recorded;
- e) Concise research Plan (maximum 20 pages) signed by the candidate and supervisor (for doctoral candidates only);
- f) Results (score) of the EUF written exam.

7. SELECTION CRITERIA FOR APPLICANTS

7.1 Candidates qualified in the written examination and that submitted the required documentation for registration in the graduation program of IFSC-USP will be ranked according to the normalized grade EUF (**NNormi**) and the analysis of academic merit based on the documentation as explained below.

7.2 For the selection of candidates for the Master program, the normalized EUF score (**NNormi**) will receive a weight equal to 8 (eight) and the analysis of academic merit will receive a weight 2 (two):

7.3 For the selection of candidates for the PhD, the normalized EUF score (**NNormi**) will receive a weight equals to 7 (seven) and the analysis of academic merit will receive a weight 3 (three):

7.4 For the candidates for the Master program, the following criteria will be used in the the evaluation of the academic merit: I) the transcript of the undergraduate program, taking into account the academic performance of the candidate and ii) Curriculum Lattes printed and documented (in the case of Brazilian candidates) or Curriculum Vitae printed and documented (for foreign applicants), by taking into account the scientific production of the candidate using the grading bellow.

- Author of scientific paper in international journal with referees and editorial board (2 points).
- Author of scientific paper in national journal with referees and editorial board (1 points).
- Author of abstract presented at international congresses (0.25 points).
- Author of abstract presented at national congresses (0.15 points).
- Participation in projects of Scientific Initiation, with fellowship support For a minimum period of 6 months (0.5 points) and 1 year (1 point).
- Conducting stage without fellowship support for a period longer than 3 (three) months (0.25 points).

7.5 For the candidates for the PhD program, the following criteria will be used in the the evaluation of the academic merit: Curriculum Lattes printed and documented (in the case of Brazilian candidates) or Curriculum Vitae printed and documented (for foreign applicants), by taking into account the scientific production of the candidate using the grading bellow:

- Author of scientific paper published as a result of the Master dissertation**:
 - a) in international journal with referees and editorial board (3 points).

b) in national journal with referees and editorial board (2 points).

- Author of scientific paper:

c) in international journal with referees and editorial board (2 points).

d) in national journal with referees and editorial board (1 point).

- Full paper presented at the congress during the master project (0.5 point).

- Author of abstract presented at international congresses during the Master project (0.25 points).

- Author of abstract presented at national congresses during the Master project (0.15 points).

** In order to prove that the article originates from his Master's dissertation, the student must also present a document containing the Title and the Summary of his Master's dissertation containing the student and his advisor signature.

7.6 In light of these analyzes, students will be ranked according to their performance in undergraduate and graduate activities.

7.7 In case of tie between candidates, the following tiebreaker order will be followed:

7.7.1 For candidates for the Master program:

- Number of scientific papers in international journal with referees and editorial board
- Number of scientific papers in national journal with referees and editorial board
- Number of abstracts presented at international congresses
- Number of abstracts presented at national congresses

If the tie still persists, it will be considered the weighted average grade obtained during its undergraduate course, which will be evaluated through the School records presented at the time of its enrollment.

7.7.2 For candidates for the PhD program:

- Sum of the impact factor of the scientific papers in international journal with referees and editorial board
- Sum of the impact factor of of scientific papers in national journal with referees and editorial board
- Number of abstracts presented at international congresses
- Number of abstracts presented at national congresses

If the tie still persists, the value of the impact factor of articles published as author in international journal with arbitration and editorial board as will be considered.

7.8 We clarify that no interview in the selection process of applicants and that the entire process of selection is conducted by the Graduate Studies Committee in Physics IFSC-USP, advised by teachers connected to IFSC and registered in the graduate program, representing all areas of concentration the program.

8. DISCLOSURE OF FINAL RESULT

The final result of the selection process will be announced until January 12th, 2018, through the portal <http://www.ifsc.usp.br/~posgraduacao/> in the item "Processo Seletivo".

9. ENROLLMENT

On the enrollment period, defined in the University of São Paulo Graduate calendar and published along with the final outcome of the selection process, the selected candidate should enroll in the Graduate Office, delivering the following documentation:

9.1 Master Degree Course:

i) Registration Forms, Declaration of Compulsory Courses, Choice of Advisor and Medical Assistance, duly completed and signed (available in the Graduate page, in the IFSC Portal: <http://www.ifsc.usp.br/~posgraduacao/> in the item selection process , subsection Filename);

ii) A copy of the graduation certificate, duly registered or certificate of graduation with the date of completion of undergraduate degree, containing the graduation date, obtained in **officially recognized** course. Will not be accepted for this purpose on short diploma degree, except in special cases of academic merit, demonstrated by Committee specifically constituted by the Board of Standards and Appeals and approved by the Board of Graduate Studies, USP ;

iii) A copy of the full transcript of the undergraduate course. **Note:** If the candidate has already given copy of the full transcript of graduation upon registration, item 6, c), this item should be disregarded .

iv) The candidates unable to prove they finished the undergraduate course before the deadline of the enrollment period will not be able to complete the registration in the program.

9.2 Doctorate Degree Course:

i) Registration Forms, Declaration of Compulsory Courses, Forms Choice of Advisor and Form of Medical Assistance, duly completed and signed (available in the Graduate page, in the IFSC Portal: <http://www.ifsc.usp.br/~posgraduacao/> in the item "Processo Seletivo", subsection Matricula);

ii) A copy of the graduation certificate, duly registered or certificate of graduation with the date of completion of undergraduate degree, containing the graduation date, obtained in officially recognized course. Will not be accepted for this purpose on short diploma degree, except in special cases of academic merit, demonstrated by Committee specifically constituted by the Board of Standards and Appeals and approved by the Board of Graduate Studies, USP ;

iii) A copy of the full transcript of the undergraduate course and another of the graduate course (Master Degree Level). **Note:** If the candidate has already given copy of the full transcript of graduation upon registration, item 6, c), this item should be disregarded .

iv) A copy of the Master Degree Diploma or certificate of Dissertation Defense, duly approved and issued by the competent body;

Important note: It is allowed the enrollment of a candidate that holds a Master degree, duly recognized by CAPES, with a certificate of defense and the official course recognition ordinance, for Brazilian degrees. **Brazilian or foreign candidates that hold a master degree obtained from foreign Universities must obtain, previous to enrollment, the equivalence of its master degree title by the University of São Paulo.**

INFORMATION:

Additional information and further clarification may be obtained at the Graduate Office IFSC, located at Av-worker are Carlense, 400 - Centro - 13566-590 - São Carlos, SP, phone: (16) 3373-9777 / 9589 / 8808, the portal of the IFSC: www.ifsc.usp.br; Postal: PO Box 369, ZIP code 13560-970, São Carlos, SP, Brazil, or by e-mail at: exam_pg@ifsc.usp.br