CALL FOR APPLICATIONS No. 007/2026

SELECTION OF CANDIDATES FOR THE DOCTORAL PROGRAM ADMISSION – FIRST SEMESTER OF 2027

The Graduate Program in Mathematics (PPGM) of the Federal University of Paraná (UFPR), in the exercise of its legal and regulatory duties, and considering the resolutions of the 174th Meeting of the Program Committee held on September 16, 2026, hereby announces this public notice for the selection of candidates to the Academic Doctoral Program, with admission in the first academic semester of 2027.

1. GENERAL PROVISIONS

1.1. The selection process shall be governed by this Call for Applications, the PPGM Internal Regulations, and UFPR Resolutions No. 05/26-CEPE and No. 02/2025-CEPE.

1.2. Applications shall be submitted exclusively online from September 21, 2026 to October 19, 2026, at: https://ppgm.ufpr.br/

1.3. After applications have been approved, a Selection Committee shall be appointed, and its composition shall be announced in a specific call.

1.4. The Selection Committee shall consist of three full members and two alternate members.

1.5. All official communications concerning the selection process shall be published exclusively on the PPGM website.

2. NUMBER OF POSITIONS

2.1. Up to 10 (ten) positions will be offered in the Doctoral Program.

2.2. The PPGM reserves the right not to fill all positions offered.

2.3. The positions are distributed among the following areas of concentration:

- Algebra
- Numerical Analysis
- Differential Equations
- Optimization

2.4. One (1) position shall be reserved for UFPR employees, subject to approval in the selection process. Proof of employment with UFPR must be submitted in the application form.

2.5. Two (2) positions shall be reserved for affirmative action for candidates belonging to the following categories:

- Black persons;
- Indigenous persons;
- Quilombola communities;
- Persons with disabilities;
- Deaf persons or members of linguistic minorities;
- Trans persons (transgender women or men and travesties);
- Refugees, asylum seekers, stateless persons, or holders of humanitarian visas.

2.6. Application for reserved positions requires submission of supporting documentation as established in this call and in Resolution No. 02/2025-CEPE.

2.7. If the self-declaration is not approved, the candidate will continue participating in the selection process under the general competition, without prejudice to their evaluation.

3. FACULTY ADVISORS

The faculty members listed below may provide academic supervision under this call:

Name	Area
Ana Clara Garcia Elsener	Algebra
Alexandre Kirilov	Differential Equations
Denise de Siqueira	Numerical Analysis
Elías Alfredo Gudiño Rojas	Numerical Analysis
Evelin Krulikovski	Optimization
Fábio Ramos	Numerical Analysis
Fernando de Ávila Silva	Differential Equations
Higidio Portillo Oquendo	Differential Equations
Leonardo Lima	Optimization
Marcelo Muniz Silva Alves	Algebra
Maria Eugenia Martin	Algebra
Maria Rosario Astudillo Roja	Differential Equations
Matheus Brito	Algebra
Roberto Pettres	Numerical Analysis

Wagner Augusto Almeida de Moraes	Differential Equations

4. SCHEDULE

Stage	Date
Opening of applications	09/21/2026
Application deadline	10/19/2026
Deadline for submission of recommendation letters	10/19/2026
Announcement of approved applications	by 10/23/2026
Announcement of the Selection Committee	by 10/28/2026
Interview period (if applicable)	11/11/2026 to 11/18/2026
Announcement of first-stage results	by 11/20/2026
Announcement of second-stage results	by 02/19/2027

5. APPLICATION DOCUMENTATION

5.1. At the time of application, the candidate must attach the following documents, scanned in PDF format (except item a):

- Recent square-format photograph (JPG);
- Identification document and CPF (Brazilian ID number) in a single PDF file (or passport, for foreign applicants);
- Lattes Curriculum or Curriculum Vitae;
- Undergraduate transcript;
- Master's transcript (not required only for Direct Doctorate applicants – see item 5.4);
- Personal statement (as described in item 6);
- Undergraduate diploma. For Direct Doctorate applicants, this may be replaced by an official statement confirming enrollment in the final semester;
- Master's diploma, dissertation defense record, or official statement from the Graduate Program certifying eligibility to defend, including the expected defense date (to be uploaded under "Master's or Doctorate Diploma"). This document is waived for Direct Doctorate applicants;
- Letter of acceptance from a prospective PPGM supervisor, according to the model in Annex II (to be uploaded under "Other Documents According to the Notice");

- Specific documentation for reserved positions, when applicable.

5.2. Two recommendation letters must be sent directly by the recommenders to selecaoppgmufpr@gmail.com by the deadline specified in the schedule. The required model is available at https://ppgm.ufpr.br/mestrado-e-doutorado/

5.3. Incomplete applications, applications containing illegible documentation, or applications that do not comply with this call will be rejected.

5.4. Direct Doctorate: Candidates holding only an undergraduate degree may exceptionally apply for the Direct Doctorate. To do so, they must apply both to the Master's and Doctoral programs through the PPGM website, ensuring consideration for the Master's program if the Doctoral application is rejected. The candidate must specifically justify their merit for this modality in the personal statement.

6. PERSONAL STATEMENT

6.1. The candidate must submit an argumentative essay addressing the following:

Part 1:

- Motivation for pursuing graduate studies in Mathematics;
- Did you receive a scholarship during your master's program? Which funding agency? During which period?
- Have you taken any doctoral-level courses? Where? When? Final grade?
- Have you attended any summer courses? Where? When? Final grade?
- Have you participated in any activity developed by PPGM-UFPR? Which one? When?
- Do you have any submitted scientific articles that are not yet listed in your CV?
- Any other elements deemed relevant.

Part 2: Write about your master's dissertation.

6.2. The essay described in item 6.1 (including Parts 1 and 2) must be submitted as a single PDF file of no more than 12 (twelve) pages.

6.3. Supporting documents related to item 6.1 may be attached under "Other documents according to the Call for Applications" in the application form.

6.4. The Committee may invite the candidate for an oral interview if deemed necessary.

7. SELECTION PROCESS

7.1. The selection process shall consist of Document Review and a Summer Course.

7.2. STAGE 1: DOCUMENT REVIEW.

7.2.1. The following components shall be evaluated:

- Personal statement (A);
- Curriculum, recommendation letters, and academic transcript (Cv).

7.2.3. The E1 score, on a scale from 0 (zero) to 10 (ten), shall be calculated as follows:

$$E1 = \frac{(A + 2Cv)}{3}$$

7.2.4. Candidates with a final score equal to or greater than 8.0 shall be considered approved in Stage 1.

7.2.5. Tie-breaking criteria:

1. Higher Curriculum score (Cv);
2. Higher Personal Statement score (A).

7.3. STAGE 2: SUMMER COURSE.

7.3.1. All registered candidates may participate in Stage 2 of the selection process, regardless of approval or ranking in Stage 1.

7.3.2. Stage 2 consists of taking the course “Probability Theory,” offered by the PPGM Mathematics Summer Program in January and February 2027 (dates to be defined). The final E2 score, on a scale from 0 (zero) to 10 (ten), shall correspond to the arithmetic mean of the assessments administered in the course.

7.3.3. Candidates who obtain an E2 score equal to or greater than 7 (seven) in the course shall pass the course and shall be approved in the Selection Process, subject to the number of positions specified in Item 2.1.

7.3.4. Registration for the course must be completed exclusively through https://ppgm.ufpr.br/.

8. RESULTS

8.1. Results shall be published on the official PPGM website.

8.2. For each position category (General Competition, Affirmative Action – item 2.5, and UFPR Employees – item 2.4), candidates shall be classified in the following order of precedence:

1. Candidates approved in Stage 1, in descending order of E1 score;
2. Candidates approved in Stage 2, in descending order of the arithmetic mean of E1 and E2.

As a tie-breaking criterion, the higher E1 score shall prevail first, followed by the higher Curriculum score (Cv) from Stage 1.

9. APPEALS

9.1. Appeals may be filed within 48 hours after publication of the results.

9.2. Requests must be sent to pgmat@ufpr.br with the subject line "APPEAL".

9.3. Appeals based on the absence of mandatory documentation will not be accepted.

9.4. A candidate's application may be annulled at any time if false or irregular information is found in the statements or documents submitted.

10. ENROLLMENT AND SCHOLARSHIPS

10.1. Enrollment shall be carried out according to instructions to be published on the PPGM website.

10.2. Approved candidates must declare their interest in the position by 02/24/2027 via email to pgmat@ufpr.br. Failure to declare interest will result in forfeiture of the position.

10.3. The PPGM does not guarantee the award of scholarships.

10.4. If scholarships are available, their distribution shall follow the institutional criteria in force.

11. FINAL PROVISIONS

11.1. Submission of an application constitutes full acceptance of this Call for Applications.

11.2. This call may be amended at any time by means of an official publication.

11.3. Candidates' personal data shall be processed in accordance with the applicable data protection legislation.

11.4. Matters not covered by this call shall be decided by the PPGM Council.

Curitiba, September 16, 2026

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Graduate Program in Mathematics
Federal University of Paraná