CALL FOR APPLICATIONS No. 006/2026

SELECTION OF CANDIDATES FOR THE MASTER'S PROGRAM ADMISSION – FIRST SEMESTER OF 2027

The Graduate Council of the Graduate Program in Mathematics (PPGM) of the Federal University of Paraná (UFPR), in the exercise of its legal and statutory powers, and considering the deliberations of its 174th Council Meeting held on September 16, 2026, hereby announces the present Notice for the selection of candidates for the Academic Master's Degree 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 the applications have been approved, a Selection Committee shall be appointed, and its composition shall be announced in a specific notice.

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 AVAILABLE PLACES

2.1. Up to 10 (ten) places shall be offered in the Master's Program.

2.2. The PPGM reserves the right not to fill all available places.

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

- Algebra
- Numerical Analysis
- Differential Equations
- Geometry and Topology
- Optimization

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

2.5. Two (2) vacancies shall be reserved for affirmative action, intended for candidates who fall into the following categories:

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

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

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

3. FACULTY ADVISORS

The faculty members listed below may offer supervision under this call for applications:

Name	Area
Alexandre Kirilov	Differential Equations
Ana Clara Garcia Elsener	Algebra
Cleber de Medeira	Differential Equations
Denise de Siqueira	Numerical Analysis
Edson Ribeiro Alvares	Algebra
Eduardo Hoefel	Geometry and Topology
Elías Alfredo Gudiño Rojas	Numerical Analysis
Evelin Krulikovski	Optimization
Fábio Ramos	Numerical Analysis
Fernando de Ávila Silva	Differential Equations

Gisele Teixeira Paula	Geometry and Topology
Juan Sebastian Herrera Carmona	Geometry and Topology
Leonardo Lima	Optimization
Mael Sachine	Optimization
Marcelo Muniz Silva Alves	Algebra
Maria Rosario Astudillo Rojas	Differential Equations
Matheus Brito	Algebra
Roberto Pettres	Numerical Analysis
Roberto Ribeiro	Numerical Analysis
Thiago Quinelato	Numerical Analysis
Wagner Augusto Almeida de Moraes	Differential Equations

4. SCHEDULE

Stage	Data
Start of applications	21/09/2026
End of applications	19/10/2026
Deadline for submission of recommendation letters	19/10/2026
Publication of approved applications by	23/10/2026
Publication of the Selection Committee by	28/10/2026
Interview period (if applicable)	11/11/2026 a 18/11/2026
Publication of the first-stage results	20/11/2026

Publication of the second-stage results	19/02/2027

5. APPLICATION DOCUMENTATION

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

a. Recent square-format photograph (JPG);
b. Identity document and CPF in a single PDF file (or passport, for foreign applicants);
c. Lattes Curriculum or Curriculum Vitae;
d. Undergraduate academic transcript;
e. Personal statement (as specified in Section 6);
f. Undergraduate diploma or official statement confirming that the candidate is currently enrolled in the final semester.
g. Specific documentation for reserved places, when applicable (attach under “other documents according to the call for applications”).

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

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

6. PERSONAL STATEMENT

6.1. The candidate must submit a written statement addressing:Motivation for pursuing graduate studies in Mathematics;

- Have you taken any undergraduate courses in mathematics? Where? When? Grades? (Applicable only to candidates who have not completed a bachelor's degree in mathematics);
- Have you taken any graduate-level courses? Where? When? Grades?
- Have you participated in any summer courses? Where? When? Grades?
- Have you participated in any activity developed by PPGM-UFPR? Which one? When?
- Did you conduct Undergraduate Research during your degree? If so, what was the topic?
- Any other relevant information deemed pertinent.

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

6.3. The Selection Committee may summon 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:

- Statement of Purpose (A);
- Curriculum, letters of recommendation, 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 score in Curriculum (Cv);
2. Higher Personal Statement score (A).

7.3. STAGE 2: SUMMER COURSE.

7.3.1. All applicants 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 as part of the PPGM Summer Program in Mathematics 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 places established in Section 2.1.

7.3.4. Enrollment in the course must be completed exclusively through https://ppgm.ufpr.br/.

8. RESULTS

8.1. The results shall be published on the official PPGM website.

8.2. For each category of place (General Competition, Affirmative Action – Section 2.5, and UFPR Staff – Section 2.4), candidates shall be ranked 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 the publication of the results.

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

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

9.4. A candidate's application may be annulled at any time if false or irregular statements or documents are identified.

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 confirm their interest in the place by 24/02/2027 by sending an email to pgmat@ufpr.br. Failure to declare interest shall result in loss of the place.

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

10.4. Subject to availability, scholarships shall be allocated according to the institutional criteria in force.

11. FINAL PROVISIONS

11.1. Submission of an application implies full acceptance of this call for applications.

11.2. This call for applications 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 for applications shall be decided by the PPGM Council.

Curitiba, September 16, 2026

Prof. Elías Alfredo Gudino Rojas
Coordinator
Graduate Program in Mathematics
Federal University of Paraná