

ANNOUNCEMENT CPPGMA/IMECC, No. 02/2022

SELECTION PROCESS MASTER'S DEGREE AND Ph.D. PROGRAM IN APPLIED MATHEMATICS OF THE INSTITUTE OF MATHEMATICS, STATISTICS AND SCIENTIFIC COMPUTING First semester 2023

The Committee of the Graduate Program in Applied Mathematics (CPPG-MA) of the Institute of Mathematics, Statistics and Scientific Computing (IMECC) of the University of Campinas (UNICAMP), in the use of its legal attributions, makes public e normatizes the selection process to admit Master's and Ph.D. students in Applied Mathematics.

The version in Portuguese of this announcement was approved by the CPPG-MA in a meeting on October 7th, 2022, and it was subsequently approved by the IMECC Graduate Committee in a meeting on October 7th, 2022.

1. DEADLINES AND APPLICATION REQUIREMENTS

1.1. Applications for Master and Ph.D. programs in Applied Mathematics for admission in the first semester of 2023 will be accepted during the period from October 10th, 2022 to November 18, 2022.

1.1.1 Foreign applicants are suggested to subscribe for scholarships of the PEC-PG, OAS, TWAS or other support agencies. Acceptance of foreign candidates may be conditioned upon the presentation of a proof of enrollment for scholarship in any of the aforementioned agencies.

1.2. Applications for the Master's degree are open to candidates that have concluded their undergraduate courses in mathematics, applied mathematics or related fields.

1.2.1. Undergraduate students about to conclude their courses may apply, as long as they document the actual possibility of presenting the undergraduate certificate until the end of the enrollment period. Exceptions should be clearly authorized by higher instances of UNICAMP. Students in this situation must provide the corresponding documentation.

1.2.1.1. The following documents will be accepted:

a) Declaration / School Transcript, issued by the Educational Institution, stating the conclusion of the course and / or issuing the undergraduate certificate.

1.3. Applications for the Ph.D. program are open to candidates who possess a Master's degree in applied mathematics or related fields.

1.3.1. Candidates that are about to obtain their Master's degree may apply, as long as they provide a declaration from their supervisor, signed by the graduate program coordinator (**see model declaration in Annex I of this Announcement**), specifying the probable date of the defense. This date may not be later than one month after the beginning of the entrance semester.

1.3.2 Master students being accepted into the Ph.D. program will only be considered in the classification for an institutional scholarship after the defense of their Master's dissertation.

1.3.3. Candidates who hold only a graduation certificate are allowed to apply for the Ph.D. program with an explicit agreement letter of the CPPG-MA. Such students are candidates for the so-called direct Ph.D. Before enrolling in this modality, the candidate must send a copy of the School Transcript and the undergraduate certificate (if the undergraduate certificate has not yet been issued, present the stating the conclusion of the course) to the Coordination's e-mail (coordpgmap@ime.unicamp.br).

2. APPLICATION

2.1. All candidates for the Master and Ph.D. courses in Applied Mathematics must fill in the application form, available online at the university academic board (*Diretoria Acadêmica – DAC* - www.dac.unicamp.br - Estude na Unicamp - Pós-Graduação), by means of the academic management system SIGA (*Sistema de Gestão Acadêmica*). This system is available at DAC's website https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml?C ode=1497038006922. The application form must be completely filled in (the **registration situation** needs to stick with the status "COMPLETA"). Incomplete or late applications will automatically be disregarded. Note: the delivery status of the documents will remain with the status "PENDENTE" given the fact that the documents must be sent by using the link indicated in item 2.2.

2.1.1. Instructions for filling the Registration Form, access the link: <https://www.ime.unicamp.br/administracao/areas/posgrad/procedimento/instrucoes-inscricoes-programas-pos-graduacao-no-sistema>.

2.2 In addition to the online form at DAC, all the candidates must provide, at the website of the Program (<http://www.ime.unicamp.br/posgrad/inscricao>), the documents listed below. These documents must be digitalized and sent in PDF format, each document in a single file, with a maximum size of 3MB. Required documents include:

2.2.1. Application form.

2.2.2. Official transcript of the undergraduate records. The Ph.D. candidates must also provide the official transcript of the Master records, except for those who are applying for the direct Ph.D. For foreign educational institutions with grade systems different from the Brazilian grade systems, please specify the grades criteria.

2.2.3. Certificate of university degrees (undergraduate and/or graduate) or an official declaration specifying the probable date of degree conferral (**see model declaration in Annex I of this Announcement**).

2.2.4. Updated *curriculum vitae* (CV). Students coming from undergraduate or Master's courses in Brazil should send their updated Curriculum Lattes. Foreign students must provide a detailed CV in Portuguese, Spanish or English. CV's in other languages will be disregarded.

2.3. In addition to the above documents, candidates for the Master Course must provide at least two; candidates for the Ph.D. course at least three recommendation letters. These

letters should be written by professors, researchers or other professionals, and sent directly by them. For that purpose, the candidates must provide the recommenders' e-mail addresses in the application at the link <http://www.ime.unicamp.br/posgrad/inscricao/> and click to confirm an invitation e-mail sent by the system to the recommenders, such that the latter can fill in the online recommendation letter. Letters sent by the candidates themselves will be disregarded.

3. SELECTION

3.1. There will be 30 positions for the Master program and 40 positions for the Ph.D program for admission in the first semester of 2023, without the need to fill all of them. This filling will depend on the qualified demand. The positions cover all areas of the Applied Mathematics Program.

3.2. The candidates for the Master and Ph.D. programs in Applied Mathematics will be selected by the CPPG-MA.

3.3. The selection will be based on the following criteria, with highlighted weighting:

3.3.1 Analysis of the data provided in the application form, CV and a supervisor acceptance letter, when applicable (40%);

3.3.2 Analysis of the performance evaluation (40%), among the options:

- a) Admission Exam;
- b) Mandatory disciplines of the program (Matrices and Applied Analysis);
- c) Summer course, when recommended by the CPPGMA;
- d) GRE, when applicable

3.3.3 Analysis of the recommendation letters (20%).

4. SCHOLARSHIP EXAM

4.1. An Admission and Classification Exam will be offered, mandatory and classificatory to those candidates applying for an institutional scholarship. It is recommended that all candidates take the Admission and Classification Exam, which is one of the options for the performance evaluation analysis, as established in the item 3.3. The grade in this exam can be substituted by a grade in the GRE - Graduate Record Examination in Mathematics (<http://www.ets.org/gre/subject/about/content/mathematics>), taken at a date not earlier than twelve months before the date of the application.

4.2. The date of Scholarship Exam is December 12th, 2022, in a place and time to be announced on the IMECC graduate page, at <https://www.ime.unicamp.br/pos-graduacao/matematica-aplicada/admissao>. Instructions for the Scholarship Exam will be sent to the electronic address provided in SIGA.

4.3. The syllabus for the Scholarship Exam is: Differential and Integral Calculus and Linear Algebra.

4.4. Enrolled students who are applying for an institutional scholarship, but have not been

awarded yet, may submit to the Scholarship Exam for this purpose.

4.5. The performance in the Admission and Classification Exam and in the courses taken during the studies in the Program will define the priority for the attribution of institutional scholarships.

4.5.1 The scholarship classification list is valid for one year. For the students already enrolled in the graduate program, the possible assignment of an institutional scholarship will also take into account the performance in the mandatory disciplines (*Matrices* and *Applied Analysis*) and possible delays with respect to the official time table for graduate studies. There will be two scholarship classification lists, one for Masters students and one for PhD students.

5. RESULTS

5.1. After the analysis according to the weighted criteria in items 3.3.1, 3.3.2, and 3.3.3, each candidate will be classified and qualified in one of the following situations:

- a) Accepted with the possibility of an institutional scholarship, depending upon the Admission and Classification Exam, or personal (FAPESP, UNIVESP, etc.) scholarship;
- b) Accepted without scholarship (has own means and/or has not pleaded one);
- c) Recommended to enroll in a summer course;
- d) Not accepted.

5.2. Each candidate will receive a message with the result of the selection, sent to the electronic address provided in SIGA. The scholarship classification list will be posted on the graduate-studies page of IMECC, at: <https://www.ime.unicamp.br/pos-graduacao/matematica-aplicada/admissao>

5.3. The results will be announced up until December 20th, 2022.

5.3.1 For the students who were recommended to attend a summer discipline, the result will be announced until February 20th, 2023.

6. APPEAL

6.1. Formal requests of appeal will only be accepted if filled and presented within three (3) business days from the date of announcement of the results. Such appeals must be presented by e-mail to the graduate office of IMECC-UNICAMP, indicating the data of this announcement and selective process, and including a foundation for the request to reanalyze the result.

6.2. The results of the appeals will be announced within twenty (20) calendar days from the presentation date, on the graduate-studies page of IMECC, at: <https://www.ime.unicamp.br/pos-graduacao/matematica-aplicada/admissao>

7. FINAL DISPOSITIONS

7.1. The application implies that the candidate accepts this announcement without any restriction.

7.2. Omitted cases will be submitted by the CPPG-MA to the IMECC Graduate-Studies Committee (CPG).

Campinas, October 7th, 2022.

Committee of the Graduate Program in Applied Mathematics (CPPG-MA)
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ANNEX I - Model Statement on Probable Master's Defense

Declaration

I declare that (STUDENT'S NAME) is my student of Master and has completed all credits/requirements, with the exception of defense Dissertation for obtaining the Master's degree at the Institute _____ of University _____.

The defense of the Master's dissertation is scheduled for the month//day/year.

(DATE),

_____(SIGNATURE)_____

Advisor