

ANNOUNCEMENT CPPGMA/IMECC, No. 02/2018

SELECTION PROCESS MASTER'S DEGREE AND Ph.D. PROGRAM IN APPLIED MATHEMATICS OF THE INSTITUTE OF MATHEMATICS, STATISTICS AND SCIENTIFIC COMPUTING 2019

The Committee of the Graduate Program in Applied Mathematics (CPPGMA) 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 CPPGMA in a meeting on July 10, 2018, and it was subsequently approved by the IMECC Graduate Committee in a meeting on July 16, 2018.

1. DEADLINES AND APPLICATION REQUIREMENTS

1.1. Applications for Master and Ph.D. programs in Applied Mathematics will be accepted during the period from August 1 to October 31, 2018, for admission in the first semester of 2019.

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.

1.3. 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 the supervisor, signed by the coordinator of the program, specifying the probable date of the defense. This date may be later than one month after the beginning of the entrance semester.

1.3.2 Master students that are accepted into the Ph.D. Programa, will only be considered in the classification to receive a scholarship after the defense of their Master's dissertation.

1.3.3. Candidates for the Ph.D program that only have the graduation certificate are allowed to apply upon the explicit agreement of the CPPGMA. Such students are candidates for the so-called direct Ph.D.

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), by means of the academic management system SIGA (*Sistema de Gestão Acadêmica*). This system is available at DAC's website https://www1.sistemas.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml?code=1497038006922. The application form must be completely filled in. Incomplete or late applications will automatically be disregarded.

2.2 In addition to the online form, all the candidates must upload, using the link <http://www.ime.unicamp.br/posgrad/inscricao>, the documents listed below.

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.

2.2.3. University degrees (undergraduate and graduate).

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. All documents must be digitized and uploaded exclusively in PDF format, each document in a single file, with maximum size of 3MB. Incomplete or late applications will automatically be disregarded.

2.4. 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 2019, 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 CPPGMA.

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 official transcript records (40%);

3.3.2 Analysis of the recommendation letters (20%);

3.3.3 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.

4. ADMISSION EXAM AND CLASSIFICATION

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 § 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 Admission and Classification Exam will be held on December 3, 2018, at 1 p.m., in a place to be announced on the IMECC graduate page, at <https://www.ime.unicamp.br/pos-graduacao/matematica-aplicada/admissao>.

4.3. The syllabus for the Admission Exam are 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 Admission Exam for this purpose.

4.5. The performance in the Admission and Classification Exam 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.

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 institutional or personal (FAPESP, PICME, etc.) scholarship;
- b) Accepted without scholarship (has own means and has not pleaded one);
- c) Accepted without scholarship but classified in a priority list for obtaining, in the future, a scholarship among those available for the program (there will be two lists, one for the Master students and another for the Ph.D students);
- d) Recommended to enroll in a summer course;

e) 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 until December 10, 2018.

5.3.1 For the students who were recommended to attend a summer discipline, the result will be announced until February 18, 2019.

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 in writing at the graduate office of IMECC-UNICAMP, indicating the data of this announcement and selective process, and grounding the request for the reanalysis of the result.

6.2. The results of the appeals will be announced within fifteen (15) 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 CPPGMA to the IMECC Graduate-Studies Committee (CPG).

Campinas, July 10, 2018.

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