

## **ANNOUNCEMENT - GPC-M/IMECC No. 02/2020**

### **SELECTION PROCESS MASTER AND Ph.D. PROGRAM IN MATHEMATICS INSTITUTE OF MATHEMATICS, STATISTICS AND SCIENTIFIC COMPUTING 2021**

#### **Rectification of announcement - November/2020**

The Coordinator of the Graduate Program Committee in Mathematics (GPC-M) of The Institute of Mathematics, Statistics and Scientific Computing (IMECC), University of Campinas (UNICAMP), in the use of her legal attributions, officially announces the beginning of the selection process to admit Masters and Ph.D. students in Mathematics.

The Portuguese version of this announcement was approved by the GPC-M on August 19, 2020, and was subsequently approved by the IMECC Graduate Committee on August 24, 2020.

#### **1. DEADLINES AND APPLICATION REQUIREMENTS**

**1.1.** Applications for Masters and Ph.D. courses in Mathematics for admission in the first semester of 2021 will be considered during the period from **September 1<sup>st</sup>, 2020** to **October 30, 2020**.

**1.2.** Applications for the Master's degree are open to candidates who have concluded their undergraduate course in mathematics or related fields.

1.2.1. Undergraduate students about to conclude their programs may apply, as long as they will be able to produce the undergraduate diploma certificate by the time of enrollment, or later, as stipulated by the official regulations 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 mathematics or related fields.

1.3.1. Candidates about to obtain their Master's degree may apply, as long as they provide a declaration from their supervisor and approved by the coordinator of the program, specifying the probable date for the defense of their Master Dissertation. The probable date cannot be later than one month from the start date of the semester.

1.3.2. According to item 1.3.1, Master's students, accepted for the PhD program, should defend their dissertations by March 2021. In addition, to implement the scholarship, those students who will receive scholarships from the program must defend their dissertations up to March 10, 2021.

1.3.3. In exceptional cases, the GPC-M may accept candidates for the Ph.D. program in Mathematics who only have the undergraduate certificate, even without a master's degree.

## 2. APPLICATION

**2.1.** All the candidates must fill in the application form, available online at the university academic board (*Diretoria Acadêmica* – DAC, [www.dac.unicamp.br](http://www.dac.unicamp.br), through the academic management system SIGA (*Sistema de Gestão Acadêmica*).

This system is available at

[https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar\\_login\\_candidato.xhtml?code=1497038006922](https://sistemas.dac.unicamp.br/siga/ingresso/candidato/efetuar_login_candidato.xhtml?code=1497038006922).

The application form should be completely filled in. Incomplete and /or late applications will be automatically disregarded.

**2.2** Candidates for the Master's and Ph.D. degree must upload the documents listed in the items below through the link [www.ime.unicamp.br/posgrad/inscricao](http://www.ime.unicamp.br/posgrad/inscricao). The documents should be sent exclusively in pdf format, and each document in a single file with a maximum size of 3 MB.

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 in cases where the candidate has not attended or is not attending a Master's program.

2.2.3. Certificate of university degrees (undergraduate and/or graduate) or an official declaration specifying the probable date of degree conferral.

2.2.4. Updated *curriculum vitae* (CV). Students coming from undergraduate or Master's programs 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 not be considered. The activity described in the CV that does not appear in official transcript records and can be used in the selection (items 3.4.4, 3.4.6, 3.4.7, 3.4.8, 3.4.9, 3.5.3, 3.5.4 and 3.5. 5 below) must be proven with an appropriate document.

**2.3.** Candidates for the Master and Ph.D. programs must provide at least two and three recommendation letters respectively. These letters should be written by professors, researchers or other professionals, and sent directly by them. To do so, candidates must specify the e-mail addresses of the referees at the time of their registration through the link [www.ime.unicamp.br/posgrad/inscricao/](http://www.ime.unicamp.br/posgrad/inscricao/) and click to confirm sending an email invitation to the referees through the system, allowing them to fill out the letter of recommendation directly online. For Ph.D. candidates, one letter should be sent by their Master supervisor, except in cases where the candidate has not attended or is not attending a Master's program. Letters sent by the candidates themselves will be disregarded.

## 3. SELECTION

**3.1.** There will be 30 positions for the Master program and 35 positions for the Ph.D. program for admission in the first semester of 2021. There is no need to fill all of the positions. The filling of positions will depend on the qualified demand.

**3.2.** The candidates for the Master and Ph.D. programs in Mathematics will be selected by the GPC-M.

**3.3.** The selection process will be based on the following:

3.3.1. Analysis of official transcript records;

3.3.2. Analysis of *curriculum vitae* (CV);

3.3.3. Analysis of the recommendation letters.

**3.4.** For Master's candidates, in the analysis of items 3.3.1, 3.3.2 and 3.3.3, the following points will be considered

3.4.1. The quantity, quality and level of difficulty of the subjects studied in the undergraduate programs by the candidate, as well as the grades obtained;

3.4.2. Time taken to complete the Graduation;

3.4.3. The institution where the candidate studies (or studied): if it is recommended by CAPES and its ranking; in the case of foreign candidates: the level of academic recognition of the university of origin;

3.4.4. Courses already taken at the Master's level;

3.4.5. Number of failed courses;

3.4.6. Performance in summer courses in recognized institutions, especially in courses that have already been or are offered in the Summer Program in Mathematics of IMECC-UNICAMP: Linear Algebra, Analysis in  $\mathbb{R}^n$  or Introduction to the Analysis in  $\mathbb{R}^n$ . Other regular courses may be considered in the analysis at the discretion of GPC-M;

3.4.7. Facts that demonstrate the candidate's ability to develop research in mathematics, along the lines of research of the faculty of the program;

3.4.8. Undergraduate research studies with scholarships;

3.4.9. Medals at the Brazilian Mathematical Olympiad (OBM), or at the Brazilian Mathematical Olympiad of the Public Schools (OBMEP), or at the national mathematics overseas competitions, or at the International Mathematical Olympiad (IMO);

3.4.10. Quality and depth of the recommendation letters and if they were issued by qualified specialists, with good scientific production in mathematics or related fields.

**3.5.** For the Ph.D. candidates, in the analysis of items 3.3.1, 3.3.2 and 3.3.3, in addition to items 3.4.1 to 3.4.10, the following points will also be considered:

3.5.1. The quantity, quality and level of difficulty of the courses taken in the Master's degree by the candidate, as well as the grades obtained;

3.5.2. Time taken to complete the Master's degree;

3.5.3. Courses already taken at the Ph.D. level;

3.5.4. Attending scientific events with presentation of work in the area of Mathematics;

3.5.5. Preprints, research articles submitted, accepted and / or published, in the area of Mathematics.

**3.6.** The GPC-M can conditionally accept/classify candidates based on the performance in courses in the Summer Program in Mathematics of IMECC-Unicamp: Linear Algebra (MM719), Analysis in  $R_n$  (MM720), and/or Introduction to Analysis in  $R_n$  (MM210), or some equivalent course, as offered and indicated by the GPC-M. The syllabi of these courses can be found in the link

<https://www.dac.unicamp.br/sistemas/catalogos/pos-grad/catalogo2020/unidade/imecc-339/index.html>

#### **4. CLASSIFICATION AND ACCESS TO THE RESULTS**

**4.1** For each candidate, items 3.3.1, 3.3.2 and 3.3.3 will receive letter grades A (A +, A, A-) (excellent), type B (B +, B, B-) (good), type C (C+, C, C-) (sufficient) or I (insufficient).

4.1.1. Candidates will be ranked in the classes A, B and C according to the rules described below.

4.1.2. The candidates who receive an I in item 3.3.1 will be ranked in the class C.

4.1.3. Candidates who receive at least two equal grades of type A, B and C in items 3.3.1, 3.3.2 and 3.3.3 will be ranked respectively in the classes A, B and C, except those who receive a grade I in item 3.3.1.

4.1.4. Candidates who get a grade A+ in item 3.3.1 will also be ranked in the class A. Candidates who receive three different types of grades A, B and C in items 3.3.1, 3.3.2 and 3.3.3. will also be ranked in class B.

4.1.5. All other cases not covered in 4.1.2, 4.1.3 and 4.1.4 will be ranked in the class C.

**4.2.** Candidates classified in classes A and B will be considered approved and those in class C will be disapproved.

**4.3.** For the purpose of ranking and/or award of fellowships of the program (if applicable), successful candidates will be organized in a priority list as follows: those in class A followed by those in class B. Candidates within the same class will be ranked first considering the best grade for 3.3.1, then the best grade for 3.3.3 and finally the best grade for 3.3.2.

**4.4.** Applicants will be analyzed for the purpose of grading and awarding scholarships from the program exclusively for their academic merits.

**4.5.** Candidates who have already been dropped from the program, for performance or failure in courses and/or the Qualifying Exam, will not be able to apply for scholarships.

**4.6.** The results will be announced by **December 11, 2020** at the IMECC graduate page

[www.ime.unicamp.br/pos-graduacao/matematica/admissao](http://www.ime.unicamp.br/pos-graduacao/matematica/admissao)

Moreover, each candidate will receive a message with the result of the selection process in the registered electronic address on system SIGA.

**4.7.** The ranking of scholarships for the Master's and Ph.D. programs will be announced together with the candidate's classification.

## **5. LODGING AN APPEAL**

**5.1.** Formal requests of appeal will only be accepted if submitted within three (3) business days from the date of announcement of the results and must be submitted in writing at the graduate office of IMECC-UNICAMP, indicating the data of this announcement and selection process, and explaining the reasons for requesting to reexamine the result.

**5.2.** The results of the appeals will be announced within fifteen (15) calendar days from the date of submission, on the IMECC graduate page, at

[www.ime.unicamp.br/pos-graduacao/matematica/admissao](http://www.ime.unicamp.br/pos-graduacao/matematica/admissao)

## **6. FINAL DISPOSITIONS**

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

**6.2.** Omitted cases will be submitted by the GPC-M to the IMECC Graduate Committee.

Campinas, August 24, 2020.

Graduate Program Committee in Mathematics  
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