



GRADUATE PROGRAM IN MINERAL ENGINEERING

**PUBLIC NOTICE PPGEMin/2021-02: SELECTION PROCESS FOR ADMISSION OF REGULAR MASTER'S AND DOCTORAL STUDENTS IN THE POSTGRADUATE PROGRAM IN MINERAL ENGINEERING (PPGEMin).**

The Coordinating Committee of the Postgraduate Program in Mineral Engineering at the Polytechnic School of USP (PPGEMin) announces to interested parties, in accordance with Sections 36, 37, 38 and 39 of the USP Postgraduate Program Regiment (Resolution 7493 of 03/27/2018), that registration is open for regular Master's and Doctoral students.

**1 THE REGISTRATION**

Registration for the selection process must be carried out by the interested party within the period informed in item 5 of the relevant dates without attendance, as instructed in this notice. Applicants whose applications are approved will receive an e-mail with a link to access the virtual room where the selection process activities will take place.

**1.1 General conditions**

1.1.1 The supporting documents

Applicants who have graduated in any area can enroll in the selection process for the Master's and Doctoral courses of the Postgraduate Program in Mineral Engineering, except in the case of technical degree course (graduation in less than three years).

The presentation of the diploma may be waived at the time of enrollment for newly graduated students or students in the last academic period, and it must be delivered upon first enrollment as a regular student in the Program. The graduation certificate can be presented with the respective date of graduation as a supporting document (certified copy).

Regular students entering the Doctoral course whose Master's degree was not obtained at USP and is valid nationally will have their documentation previously analyzed by the Polytechnic School Postgraduate Committee. Master's degrees obtained in Brazil without national validity are not accepted at USP. Students with a Master's degree obtained abroad who have been approved in the selection process will be kept in the special student category until recognition of their titles by USP.

Applications with incomplete documentation will not be approved.

1.1.2 The selection process

Applicants will be evaluated in two phases or stages:

- The First Phase of the selection process will take place in the period informed in item 5 of the relevant dates. It will consist of an analysis of the applicants' Curriculum Lattes (or Curriculum Vitae for foreign candidates) and educational record, followed by an online interview. Applicants will be



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evaluated by a Judging Committee that will score them (from zero to ten) based on the criteria contained in Section 2 of this notice (of the Selection Process). As this is an eliminatory phase, applicants with a score below seven (7.0) will be rejected.

- The Second Phase of the selection process will take place in the period informed in item 5 of the relevant dates. It will consist of the analysis of the applicants' research project, followed by an online discussion. Applicants will be evaluated by a Judging Committee that will score them (from zero to ten) based on the criteria contained in Section 2 of this notice (of the Selection Process). Applicants with a score greater than or equal to eight (8.0) will be approved.

#### 1.1.3 The Proof of English language proficiency

The applicant can prove their English language proficiency through one of the alternatives below:

- Presenting a certificate of English language proficiency issued by a competent body, as per Section 3 of this notice;
- Submitting to the proficiency exam of the Language Center of FFLCH-USP according to the information presented in Section 3.
- Being from a country where English is the official language or having graduated in a country or university where English is the official language.

#### ***1.2 Documents required to participate in the Master's degree selection process***

Applicants must submit documents on two separate occasions:

- Upon registration in the selection process;
- At the second phase application, after having passed the First Phase of the selection process.

For the **Master's degree** application process, it is necessary to fill out the form at the link <https://forms.gle/5xRTdhTMnpd99RXj8> and send it in advance, attaching the documents described below as pdf files. Then contact the PPGEMin secretary's office by email ([ppg.mineral@usp.br](mailto:ppg.mineral@usp.br)) to confirm the registration within the period informed in item 5 of the relevant dates.

- [Application form](#) completed and signed, with statement of knowledge and agreement with the USP Postgraduate Regiment (Resolution 7493 of 03/27/2018) and the Regulations of the Postgraduate Program in Mineral Engineering (Resolution CoPGr7613 of 02/21/2019);
- A 3x4 photo;



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- Personal documents: identity card (RG or RNE) and natural persons register (CPF), or a valid passport for non-resident foreign applicants (a temporary or permanent visa must be presented upon registration as a regular student);
- Undergraduate academic record;
- Graduation diploma (front and back of the document). If the applicant has not yet completed graduation, a document proving that they are attending the last academic period will be accepted just for the purpose of registration in the selection process.
- Updated Curriculum Lattes. Other curriculum formats are accepted for foreign applicants.

All applicants approved in the First Phase of the selection process must send the following documents (in PDF) to the PPGEMin secretary's office via Google Forms <https://forms.gle/k7mQoVgA9iu1YEKk8> within the period informed in item 5 of the relevant dates:

- Document containing a research plan with a length of 15 to 20 pages (including all pre- and post-text elements), written in Portuguese, English or Spanish; size A4, font Arial size 12, margins of 25 mm, spacing of 1.5; containing: *title, abstract, introduction, objectives and justification, literature review, materials and methods, schedule, expected results and bibliographic references (standardized according to the ABNT standard and guidelines available at: <http://www.livrosabertos.sibi.usp.br/portaldelivrosUSP/catalog/book/459>);*
- If the applicant has an employment relationship and intends to devote part-time to postgraduate studies, it will be necessary to present a declaration from the employer agreeing with the undertaking of postgraduate activities;
- Proof of English language proficiency in accordance with item 1.1.3 of this notice.

### **1.3 Documents required for enrollment in the Doctorate selection process**

Doctoral degree applicants must submit documents on two separate occasions:

- Upon registration in the selection process;
- At the second phase application, after having been approved in the first phase of the selection process.

For the Doctoral degree application process, applicants need to fill out the form at the link <https://forms.gle/5xRTdhTMnpd99RXj8>, and send it in advance attaching the documents described below as pdf files. Then contact the PPGEMin secretary's office by email ([ppg.mineral@usp.br](mailto:ppg.mineral@usp.br)) to confirm the registration within the period informed in item 5 of the relevant dates.



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- [Application form](#) completed and signed, with statement of knowledge and agreement with the USP Postgraduate Regiment and the Regulations of the Postgraduate Program in Mineral Engineering;
- A 3×4 photo;
- Personal documents: identity card (RG or RNE) and natural persons register (CPF), or a valid passport for non-resident foreign applicants (a temporary or permanent visa must be presented upon registration as a regular student);
- Undergraduate academic record;
- Graduation diploma (front and back of the document);
- Postgraduate academic record (front and back of document). If the applicant is completing the Master's degree, they must present the current record. When registering as a regular student, however, a complete academic record will be required;
- Graduate diploma or certificate of completion (Master's) obtained at USP or another institution recognized by it. If the applicant is completing the Master's, they must present evidence. Upon registration as a regular student, however, a certificate of completion will be required.
- Updated Lattes Curriculum. Other resume formats are accepted for foreign applicants.

All applicants approved in the First Phase of the selection process must send the following documents (in PDF) to the PPGEMin secretariat office via Google Forms <https://forms.gle/k7mQoVgA9iu1YEKk8> within the period informed in item 5 of the relevant dates:

- Document containing a research plan with a length of 15 to 20 pages (including all pre- and post-text elements), written in Portuguese, English or Spanish; size A4, font Arial size 12, margins of 25 mm, 1.5 spacing; containing: *title, abstract, introduction, objectives and justification, literature review, materials and methods, schedule, expected results and bibliographic references (standardized according to the ABNT standards and guidelines available at: <http://www.livrosabertos.sibi.usp.br/portaldelivrosUSP/catalog/book/459>);*
- If the applicant has an employment relationship and intends to devote part-time to postgraduate studies, it will be necessary to present a declaration from the employer agreeing with the undertaking of postgraduate activities;
- Proof of English language proficiency in accordance with item 1.1.3 of this notice.



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## 2 THE SELECTION PROCESS

An examining committee composed of at least three members will be appointed by the Program Coordinating Committee (CCP-PPGEMin) for each stage of the selection process, according to the following criteria:

- A single examining committee will be constituted for the First Phase, composed of representatives from the areas of i) Mining/ Environmental Planning and Management/Mineral Research; ii) Ore Treatment/Technological Characterization; iii) Petroleum Engineering;
- For the Second Phase, specific examining committees will be designated for i) Mining / Environmental Planning and Management / Mineral Research; ii) Ore Treatment/Technological Characterization and iii) Petroleum Engineering.

### ***2.1 Selection of Master's degree applicants***

Applicants will be evaluated in two phases.

2.1.1 The First Phase is eliminatory, and the examining committee will conduct an interview and analyze the applicant's Curriculum Lattes Lattes (or Curriculum Vitae for foreign candidates) and their undergraduate academic record, based on the applicant's undergraduate performance, prior execution of research & development (R&D) activities either in the academia or industry, teaching in technical areas, tutoring, participation in technical-scientific events, and publications. The examining committee will issue scores from zero to ten (10), and the applicants who get a score equal to or greater than seven (7) will be approved. The results will be published on the PPGEMin website, link [http://www.pmi.poli.usp.br/?page\\_id=254](http://www.pmi.poli.usp.br/?page_id=254) within the period informed in item 5 of the relevant dates. Applicants approved in the First Phase who register for the second phase will receive an email informing the date, time, and link to participate in this Phase of the selection process.

2.1.2 Applicants will be exempt from the First Phase if upon registration they present proof of proficiency in Mineral Engineering from the Postgraduate Program in Mineral Engineering at EPUSP, with a grade equal to or greater than 7.0 (seven point zero) in an exam held for up to 3 (three) years from the date of registration in the selection process.

2.1.3 English language proficiency must be proven by a valid certificate or by an English language proficiency exam to be carried out by the Language Center of FFLCH-USP, as per Section 3 of this notice.

2.1.4 In the Second Phase, applicants will present their research plan to the examining committee, which will assess: (i) the project feasibility and its inclusion in the PPGEMin; (ii) compatibility between objectives, methods, and expected results; (iii) timeliness and relevance of the bibliographic review; (iv) writing aspects, quality of figures, tables and charts, form of presenting citations and bibliographic references; (v) quality of the applicant's oral presentation of the project; (vi) quality of the applicant's answers to the examining committee. Each applicant will be scored



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from zero to ten (10), and the applicants who obtain an average score equal to or greater than 8.0 (eight) from the three members of the Judging Committee of the second phase will be approved. The results will be published on the PPGEMin website, link [http://www.pmi.poli.usp.br/?page\\_id=254](http://www.pmi.poli.usp.br/?page_id=254) before the date informed in item 5 of the relevant dates.

2.1.5 The enrollment of applicants selected will take place according to the calendar of the University of São Paulo Rectory. Upon the first enrollment, selected applicants must present an acceptance letter signed by an advisor linked to the PPGEMin dated after the publication of this notice, provided that the advisor has a position available. To enroll a regular student at PPGEMin, certified copies of all documents listed in 1.2 and a 3x4 photo named on the back must be delivered to the Postgraduate Department of PMI in São Paulo or Santos, or sent by post or registered mail to the address of the *Postgraduate Department of PMI – Polytechnic School of USP - Av. Mello Moraes, 2373, Butantã - São Paulo – SP – ZIP CODE 05508-030*. Pursuant to Resolution 7493/2018 (USP Postgraduate Regiment): Section 39 - Foreign applicants can only be enrolled in Postgraduate courses offered by USP when they present a valid identity document and a temporary or permanent visa that authorizes them to study in Brazil.

### **2.2 Selection of Doctoral Applicants**

Applicants will be evaluated in two phases.

2.2.1 The First Phase is eliminatory, and the examining committee will conduct an interview and analyze the applicant's Curriculum Lattes Lattes (or Curriculum Vitae for foreign candidates) based on the applicant's performance in the master's degree, prior execution of research & development (R&D) activities, whether in academia or industry, teaching in technical areas, monitoring, participation in technical-scientific events, and publications. The examining committee will score them in the range from zero to ten (10), and those who get a score equal to or greater than seven (7) will be approved. The results will be published on the PPGEMin website, link [http://www.pmi.poli.usp.br/?page\\_id=254](http://www.pmi.poli.usp.br/?page_id=254), within the period informed in item 5 of the relevant dates. Applicants approved in the First Phase who register for the second phase will receive an email informing the date, time, and link to participate in the Second Phase of the selection process.

2.2.2 Applicants will be exempt from the First Phase if upon registration they present proof of proficiency in Mineral Engineering from the Postgraduate Program in Mineral Engineering at EPUSP, with a grade equal to or greater than 7.0 (seven point zero) in an exam held for up to 3 (three) years from the date of registration in the selection process; or certificate of completion of the Master's Degree in Mineral Engineering by PPGEMin.

2.2.3 English language proficiency must be proven by a valid certificate or by an English language proficiency exam to be carried out by the Language Center of FFLCH-USP, as per Section 3 of this notice.



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2.2.4 In the Second Phase, an examining committee composed of (3) members will assess: (i) the project schedule and feasibility and its inclusion in the PPGEMin; (ii) compatibility between objectives, methods, and expected results; (iii) timeliness and relevance of the bibliographic review; (iv) writing aspects, quality of figures, tables and charts, form of presenting citations and bibliographic references; (v) applicant's oral presentation of the project; (vi) quality of the applicant's answers to the examining committee. Each member of the examining committee will independently assign a score from zero to ten for the evaluation of the research project. Applicants who get an average score equal to or greater than 8.0 (eight) from the three members of the Judging Committee of the second phase will be considered approved. The results will be published on the PPGEMin website, link [http://www.pmi.poli.usp.br/?page\\_id=254](http://www.pmi.poli.usp.br/?page_id=254), before the date informed in item 5 of the relevant dates.

2.2.5 The enrollment of applicants selected in the selective exam will take place according to the calendar of the Rectory of University of São Paulo. Upon first enrollment, the applicants selected must present an acceptance letter signed by an advisor linked to the PPGEMin dater after the publication of this notice, provided that the advisor has a position available. To enroll a regular student at PPGEMin, certified copies of all documents listed in 1.3 and a 3x4 photo named on the back must be delivered to the Postgraduate Department of PMI in São Paulo or Santos, or sent by post or registered mail to the address of the *Postgraduate Department of PMI – Polytechnic School of USP - Av. Mello Moraes, 2373, Butantã - São Paulo – SP – ZIP CODE 05508-030*. Pursuant to Resolution 7493/2018 (USP Postgraduate Regiment): Section 39 - *Foreign applicants can only be enrolled in Postgraduate courses offered by USP when they present a valid identity document and a temporary or permanent visa that authorizes them to study in Brazil*.

### 3 OF THE ENGLISH LANGUAGE PROFICIENCY CERTIFICATES

Master's and Doctoral applicants who pass the First Phase of the selection process must demonstrate English language proficiency by presenting a valid certificate as per item 1.2 of this notice. The English language proficiency exam will be carried out by the Language Center of FFLCH-USP on the date specified in item 3.1.2 of this Notice. Applicants from countries whose official language is English are exempt from demonstrating English language proficiency.

#### **3.1 English language**

3.1.1 English language proficiency can be demonstrated through the following certificates: certificate of English language proficiency performed by the Language Center at FFLCH-USP or IELTS, TOEFL or TOIEC, as per item 3.1.3 of this Notice.

3.1.2 Enrollment for the English proficiency exam must be made directly on the FFLCH-USP Language Center page (view the 2021 public notices at <http://clinguas.ffiich.usp.br/proficiencia-ingles>) and according to the dates informed in item 5 of the relevant dates.





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3.1.3 The following certificates will be accepted with their respective minimum scores:

- FFLCH-USP with a minimum score of 7.0 for the Master's and 7.0 for the Doctorate;
- IELTS (*International English Language Testing System*) with a minimum score of 5.0 points for the Master's and 6.0 points for the Doctorate;
- TOEFL-iBT (*Internet-Based Test*) with a minimum score of 60 points for the Master's and 70 points for the Doctorate;
- TOEFL-CBT (*Computer-Based Test*) with a minimum score of 150 points for the Master's and 190 points for the Doctorate;
- TOEFL-ITP (*Institutional Testing Program*) with a minimum score of 450 points for the Master's and 520 points for the Doctorate;
- TOIEC (*Test of English for International Communication*) with a minimum score of 570 points for the Master's and 630 points for the Doctorate.

3.1.4 Certificates with a date of issue prior to 3 (three) years from the date of the applicant's enrollment in the selection process will not be accepted, even in the case of certificates that have no validity defined by the issuing entity.

#### 4 NUMBER OF POSITIONS

A maximum limit of 12 positions for master's and 5 positions for doctorate will be offered. The table below indicates the advisors and their respective areas.

Advisor – Professor	Area of Research
Cleyton de Carvalho Carneiro	Oil and Gas Engineering
Márcio Augusto Sampaio Pinto	
Rafael dos Santos Gioria	
Ronaldo Carrion	
Ana Carolina Chierigati	Mining / Environmental Planning and Management / Mineral Research
Giorgio de Tomi	
Luis Enrique Sanchez	
Arthur Pinto Chaves	Ore Treatment/Technological Characterization
Carina Ulsen	
Homero Delboni Junior	
Laurindo de Salles Leal Filho	
Maurício Guimarães Bergerman	

For more information and contact emails go to [http://www.pmi.poli.usp.br/?page\\_id=99](http://www.pmi.poli.usp.br/?page_id=99)





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#### RELEVANT DATES

Event	Dates and times
First Phase of the selection process (Interview and curricular analysis)	<u>Registration</u> <sup>1</sup> : 08/23 to 09/17/2021 <u>Interviews</u> <sup>2</sup> : 10/04 to 10/08/2021 from 9:00 AM to 12:00 PM and from 1:00 PM to 6:00 PM. <u>Result</u> : 10/15/2021 on PPGEMin website ( <a href="http://www.pmi.poli.usp.br/?page_id=254">http://www.pmi.poli.usp.br/?page_id=254</a> ).
English language proficiency <sup>3</sup>	<u>Registration</u> : 08/20/2021 a 09/22/2021 <u>Test</u> : 09/30/2021, from 2:30 PM to 4:30 PM <u>Result</u> : before 10/15/2021 on PPGEMin website ( <a href="http://www.pmi.poli.usp.br/?page_id=254">http://www.pmi.poli.usp.br/?page_id=254</a> ).
Second Phase of the selection process (Analysis and presentation of the research project)	<u>Registration</u> <sup>4</sup> : 10/18/2021 and 10/19/2021 <u>Presentation of the research project</u> <sup>4</sup> : 10/25 to 10/27/2021 from 9:00 AM to 12:00 PM and from 1:00 PM to 6:00 PM. <u>Result</u> : 11/05/2021 on PPGEMin website ( <a href="http://www.pmi.poli.usp.br/?page_id=254">http://www.pmi.poli.usp.br/?page_id=254</a> ).

#### Notes:

1. By previously submitting the form available at the link <https://forms.gle/5xRTdhTMnpd99RXj8>, attaching the documents detailed in item 1.2 or 1.3 of this notice and further contacting the Postgraduate Department of Mining and Petroleum Engineering at the Polytechnic School of the University of São Paulo by email: [ppg.mineral@usp.br](mailto:ppg.mineral@usp.br) in order to confirm the registration, as per Section 1 of this Notice.
2. Applicants registered will receive an email message informing the interview date and time, as well as a link to access the virtual room.
3. For further details on the English language proficiency test at the FFLCH-USP Language Center, see <http://clinguas.fflch.usp.br/proficiencia-ingles>.
4. Applicants approved in the first phase of the selection process must register for the second phase via Google Forms, at <https://forms.gle/k7mQoVqA9iu1YEKk8>, and will subsequently receive a message by email informing the date and time of the research project presentation, as well as a link to access the virtual room.
5. The times indicated in this Notice refer to Brasília, Distrito Federal, Brazil.
6. The veracity of the information and the authenticity of the documents sent in the act of registration are the sole responsibility of the applicant.
7. Results of any steps of this selection process are not subject to appeal.

#### 6 EXPIRY DATE OF THE SELECTION PROCESS RESULT

The result of this selection process is valid until December 13<sup>th</sup>, 2022. Therefore, applicants approved in this selection process must register at PPGEMin as regular students, with the



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presentation of an acceptance letter from an advisor linked to PPGEMin dated between August 23<sup>rd</sup>, 2021 and its expiration date.

The closing of this selection process will take place upon the approval of the result by the Postgraduate Commission of the Polytechnic School of USP within a maximum of 60 days after the end of the second phase.

#### 7 REFERENCE DOCUMENTS

- Postgraduate Regiment of the University of São Paulo  
<http://www.leginf.usp.br/?resolucao=resolucao-no-7493-de-27-de-marco-de-2018>
- Regulations of the Mineral Engineering Postgraduation Program  
<http://www.leginf.usp.br/?resolucao=resolucao-copgr-no-7613-de-21-de-fevereiro-de-2019>
- Regiment of the Postgraduate Commission of the Polytechnic School of USP  
<http://www.leginf.usp.br/?resolucao=resolucao-copgr-no-7612-de-21-de-fevereiro-de-2019>
- Notice for the English Language Proficiency Examination of the Language Center at FFLCH-USP - Notice 2109 Poli-PMI - Mining and Petroleum Engineering available on the link  
<http://clinguas.fflch.usp.br/proficiencia-ingles - visualizar editais 2021>
- Registration form for the English Language Proficiency Examination at the Language Center at FFLCH-USP  
<http://clinguas.fflch.usp.br/proficiencia-ingles>
- USP (ABNT) guidelines for the submission of dissertations and theses, 4<sup>th</sup> Edition, 2020  
<http://www.livrosabertos.sibi.usp.br/portaldelivrosUSP/catalog/view/459/413/2006-1>