

INSTITUTE OF GEOSCIENCES, UNIVERSITY OF SÃO PAULO (IGc-USP)**Official Public IGc-USP Notice N° 12/2024**

Date: August 21, 2024

Applications are now open for the Selection Process for a Doctor Assistant Professor Position at the Department of Sedimentary and Environmental Geology of the Institute of Geosciences of the University of São Paulo.

The Directorate of the Institute of Geosciences of the University of São Paulo (IGc-USP) hereby informs all interested persons that, per the decision reached at the Regular Meeting of the Congregation held on August 14, 2024, applications are open for 90 (ninety) days, beginning at 8:00 am (Brasília time, BRT) on August 28, 2024 and ending at 5:00 pm (Brasília time, BRT) on November 25, 2024, for the selection process of titles and examinations to fill one (1) position of Ph.D. Professor, in Full-Time Dedication to Teaching and Research (RDIDP in the Portuguese acronym), with a salary of R\$ 15,498.97 (fifteen thousand, four hundred and ninety-eight reais and ninety-seven cents; May/2024) within the subject area of **Applied Geophysics**, under the terms of article 125, § 1 of the General Statute of USP and the following programmatic themes:

GSA0308 – APPLIED GEOPHYSICS: History of Applied Geophysics, its relationship with Pure Geophysics, current situation and future perspectives. Areas of activity: mining, civil engineering, hydrogeology and environmental. Presentation of electrical, seismic, gravimetric, magnetometric, electromagnetic and radiometric methods. Airport and terrestrial methods. Introduction to well logging. The importance of geophysics. Interrelationship between the geologist and the geophysicist. Historical cases. Practical field classes.

GSA0408 – AEROMAGNETOMETRY AND AEROGAMMA SPECTROMETRY: Review of the basic physical concepts of gamma spectrometry and magnetometry; Links between magnetization and gamma emissions with geological and civil engineering structures; Types of surveys; Geophysical databases; Data import; Data interpolation; Map generation;

Development of work on the application and scope of gamma spectrometry and magnetometry methodologies; Gamma spectrometry: processing of acquired data, ternary maps, enhancement techniques, ratio maps, interpretation of gamma spectrometry data; Magnetometry: basic processing, filtering techniques, signal enhancement, specific filters, basic modeling, interpretation of magnetic data; Joint interpretation of gamma spectrometry and magnetic data; Development of final work/report on real data.

0440221 – INTRODUCTION TO GEOTECHNOLOGIES: Introduction to Geotechnologies (Geographic Information Systems, Remote Sensing and GPS). Main computer programs for geoprocessing. Free Software. Cartographic elements: datum, cartographic projections, coordinate systems. Structures and data quality in geoprocessing. Types of data used in GIS and Remote Sensing. Equipment and techniques for data input, archiving and output. Data sources for geoprocessing: maps, photos, digital images. Free data and images. Remote sensing concepts. Georeferencing of satellite images and maps. Global Positioning System (GPS). Compiled and interpreted programming languages. Algorithms: characterization, notation, basic structures, expressions, sequential, selective and repetitive commands, input/output, structured variables, functions.

The selection process will be governed by constitutional principles, notably that of impersonality, as well as the provisions of the Statute and the General Rules of the University of São Paulo and the Rules of the Institute of Geosciences of the University of São Paulo, and the determinations below:

1. Candidates are required to apply online exclusively through the link <https://uspdigital.usp.br/gr/admissao> within the period indicated above. The candidate must fill in the requested personal data and attach the following documents:

- I – Detailed Memorial and proof, in digital format, of the published papers, the relevant activities carried out related to the selection process and other information that allows the evaluation of merits;

II – proof that the candidate holds a Doctor’s degree, granted or acknowledged by USP, or nationally acknowledged;

III – proof of discharge from military service for male candidates;

IV – voter registration card, electoral discharge certificate or detailed certificate issued by the Electoral Justice less than 30 days before the beginning of the enrollment period.

V – Official identity document.

- Foreign candidates will be exempt from the requirements of items III and IV, and must prove that they are in a regular situation in Brazil.

- Foreign candidates approved in the competition and nominated to fill the position may only take office if they present a temporary or permanent visa that allows them to carry out paid work in Brazil.

- When registering, candidates with disabilities must submit a request for the necessary conditions to be provided for taking the tests.

- It is the sole responsibility of the candidate to upload each of their documents in the specific field indicated by the system at the link <https://uspdigital.usp.br/gr/admissao>.

- The candidate is hereby informed that uploading documents in an order other than that established therein will result in the rejection of their application.

- It is the sole responsibility of the candidate to submit their documents in their entirety (front and back) and in a legible file.

- The candidate is hereby informed that if he/she does not correct any irregularity in uploading an incomplete or illegible document during the registration period, his/her registration will be rejected.

- The candidate's late submission of documents will not be accepted, even in the appeal stage.

- At the time of registration, the candidate who self-declares as black, black mixed race or indigenous will express their interest in participating in the differentiated scoring detailed in this Notice.

- In order to be entitled to the bonus for self-declared black and black mixed-race candidates, the candidate must have phenotypic traits that characterize him/her as black or black mixed-race.

- The self-declaration as black or black mixed-race made by the candidate who expresses his/her interest in participating in the differentiated scoring will be subject to confirmation by means of a hetero-identification board.

- In the event of non-confirmation of the self-declaration of racial affiliation, the candidate will be eliminated from the competition and, if he/she has been appointed, will be subject to the cancellation of his/her admission to the public service or employment, after an administrative procedure in which he/she has assured the adversarial system and full defense, without prejudice to other applicable sanctions.

- In order to confirm the self-declaration of the Indigenous candidate, the candidate's own Administrative Indigenous Birth Registry (RANI) or, in the absence of this, the Administrative Indigenous Birth Registry (RANI) of one of his/her parents, will be required at the time of registration.

- Exceptional situations may be assessed by the Inclusion and Belonging Council, which may accept confirmation of the candidate's self-declaration as indigenous by means of, cumulatively, a memorial and a declaration of ethnic belonging signed by chiefs, tuxauas, indigenous leaders of communities, associations and/or organizations representing indigenous peoples of the respective regions, under the penalties of the Law.

- The current rules for presenting documents relating to self-declaration as black, black mixed-race and indigenous, as well as for their confirmation, are available on the website of the USP General Secretariat (<https://secretaria.webhostusp.sti.usp.br/?p=12343>).

2. The Congregation of the IGc-USP will evaluate applications in their formal characteristics and publish the final decision in an official notice.

Single Paragraph – The selection process will take place after the application is accepted, within a period of 30 (thirty) to 120 (one hundred and twenty) days, from the date of publication in the Official State Gazette of the approval of applications, in accordance with Article 134, single paragraph, of the General Statute of USP.

3. The selection process will be carried out in two stages according to objective criteria, through the attribution of scores in exams, divided as follows:

- 1st stage (eliminary) – written exam (weight 2)

- 2nd stage:

– I) Evaluation of the Memorial with public proof of argumentation (weight 4)

- II) Didactic exam (weight 4)

§ 1 - The call for applicants to take the exams will be published in the Official State Gazette.

§ 2 - Candidates who present themselves after the established time will not be able to take the exams.

§ 3 - In the evaluation of the tests by the judging committee, the external purpose for creating the vacancy (granting the teaching position) for which this competition is intended, available in the annex to this Notice, will be considered.

I – First stage: WRITTEN EXAM – Eliminary Character

The written exam will deal with matters of general and doctrinal order and will be carried out in accordance with the provisions of art. 139 and its single paragraph of the General Regulations of USP.

Candidates who obtain a minimum score of seven from the majority of the members of the judging committee will be considered qualified for the 2nd stage;

Only candidates approved in the first stage will participate in the second stage.

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II - Second stage: PUBLIC ARGUMENTATION EXAM AND EVALUATION OF THE MEMORIAL AND DIDACTIC EXAM

JUDGMENT OF THE MEMORIAL

The judgment of the Memorial, expressed by a global grade, including judgment and evaluation, shall reflect the merits of the candidate.

During the analysis of the Memorial, the commission shall appreciate:

- I - scientific, literary, philosophical, or artistic production;
- II - university didactic activity;
- III - activities related to the provision of services to the community;
- IV - professional or other activities, when applicable;
- V - diplomas and other university dignitaries.

DIDACTIC EXAM

The didactic exam will be public, with a minimum duration of forty and a maximum of sixty minutes, and will deal with the program of the aforementioned area of knowledge under the terms of Article 137 of the General Regulations of USP.

JUDGMENT OF THE 2nd STAGE

At the end of the assessment of the exams, each candidate will receive a final score from each examiner, which will be the weighted average of the grades awarded by her/him in both phases.

The exam scores may vary from zero to ten, with an approximation to the first decimal place.

Differentiated scoring will be applied to black, black mixed-race and indigenous candidates under the terms specified herein.

§ 1 - The formula for calculating the differentiated score to be attributed to black, black mixed-race and indigenous candidates in all phases of the public selection process is:

$$PD = (MCA - MCPPI) / MCPPI$$

Where:

- PD is the differentiated score to be added to the scores, in each phase of the public selection process, of all black, mixed-race or indigenous candidates who expressed an interest in participating in the differentiated scoring process.

- MCA is the average score of the general competition among all candidates who scored points, excluding those who were disqualified, that is, those who did not achieve the minimum score referred to in items 4 and 13 of this Notice.

“General competition” means all candidates who scored points and who did not declare themselves as black, mixed-race or indigenous and those who, having declared themselves as black, mixed-race or indigenous, chose not to participate in the differentiated scoring process.

- MCPPI is the average score of the PPI competition among all candidates who scored, excluding those who were disqualified.

§ 2 - The formula for applying the differentiated score to the final scores of black, mixed-race and indigenous people in each phase of the public examination is:

$$NFCPPI = (1 + PD) * NSCPPI$$

Where:

- NFCPPI is the final score in the public examination phase after applying the differentiated score, which will generate the candidate's classification in the public examination stage, limited to the maximum score provided in the Notice. At the end of the public examination phase, the final score is considered the candidate's simple score.

- NSCPPI is the simple score of the beneficiary candidate, to which the differentiated score will be applied.

§ 3 - The calculations referred to in §§ 1 and 2 of this item must consider two decimal places and fractions greater than or equal to 0.5 (five-tenths) must be rounded to the next whole number.

§ 4 - The differentiated score (PD) provided for in this item applies to all qualified beneficiaries, that is, those who have achieved the minimum performance established in the competition notice, considering, for this last purpose, the simple score.

§ 5 - If there are no candidates who benefit from the differentiated score among those qualified, the differentiated score will not be calculated.

§ 6 - The differentiated score will not be applied when, in the formula for calculating the differentiated score (PD), the MCPPI (average score of the PPI competition) is greater than the MCA (average score of the broad competition).

The result of the selection process will be proclaimed by the judging commission immediately after its conclusion, in a public session.

Candidates who obtain a minimum final grade of seven from the majority of examiners will be considered qualified.

The nomination of candidates will be made by an examiner, according to the grades given by him/her.

The candidate who obtains the highest number of nominations from the judging committee will be proposed for appointment.

The tenure of the nominated candidate will be subject to approval in a medical examination carried out by the Department of Medical Expertise of the State – DPME, according to Article 47, VI, of Law No. 10,261/68.

The selection process will be valid immediately, and only the candidate nominated for the post in the selection process will be proposed for appointment.

The candidate will be called to assume the position by an official publication in the Official Gazette of the State (Diário Oficial do Estado).

4. Further information, as well as the rules relevant to the selection process, are available to those interested in the Academic Technical Assistance of the Institute of Geosciences of the University of São Paulo, at Rua do Lago, 562 - sala 306 - Butantã, São Paulo – SP, email: atacigc@usp.br.