

INSTITUTE OF GEOSCIENCES**PUBLIC NOTICE ATAC No. 06/2025, dated March 25, 2026**

CALL FOR APPLICATIONS FOR THE PUBLIC SERVICE EXAMINATION OF TITLES AND TESTS TO OBTAIN THE TITLE OF ASSOCIATE PROFESSOR IN THE DEPARTMENT OF MINERALOGY AND GEOTECTONICS OF THE INSTITUTE OF GEOSCIENCES OF THE UNIVERSITY OF SÃO PAULO.

The Director of the Institute of Geosciences at the University of São Paulo hereby announces to all interested parties that, in accordance with the decision of the Congregation at its regular meeting held on March 11, 2026, registration will be open from 8:00 a.m. (Brasília time) on March 30, 2026, to 5:00 p.m. (Brasília time) on April 28, 2026, registration for the public service examination for titles and tests for the granting of the title of Associate Professor at the Department of Mineralogy and Geotectonics, pursuant to Article 125 of the General Regulations of USP and the Internal Regulations of the Institute of Geosciences, for the areas of knowledge listed below and their respective programs:

GEODYNAMICS:

GMG5889 SPECIAL TOPICS IN GEODYNAMICS AND TECTONICS: The course allows for flexibility in the choice of topics each time it is offered, in order to keep the content up to date with recent literature. Module 1, principles of geodynamics and numerical methods, will always be taught at the beginning of the course. Three other main topics will be taught alternately or integrated, depending on the focus chosen for that offering. Module 1 – a) Continuum mechanics. b) Rheology of crustal and mantle rocks. c) Conservation of energy, mass, and momentum. d) Exploring numerical solutions using the heat equation. e) What is a geodynamic numerical model and how to understand it. f) Plate tectonics: when did it begin? Governing mechanisms. g) Biogeodynamics. Module 2 – a) Mantle flow and plate tectonics: mantle “wind,” dynamic topography, and long-wavelength patterns. b) Mantle plumes. Module 3 – Rifts. a) Anatomy of a rift zone. b) Kinematic, mechanical, and dynamic analysis of the rifting process. c) Evolution of rifted continental margins. d) Hyperstretching. e) The role of magmatism. Module 4 – Orogenes. a) Kinematics, mechanics, and dynamics of mountain building. b) Topography of mountain ranges. c) Climate and erosion. d) Uplift rates and surface processes. e) Delamination and relamination of the continental lithosphere.

GEOCONSERVATION:

GMG5867 CONSERVATION AND RESTORATION OF BUILT HISTORICAL HERITAGE: 1. Brief introduction to stone materials. From their genesis to extraction. Most relevant properties of the main petrographic groups found in monuments.

Alteration in the natural environment. 2. Behavior of materials in construction. Main types of rocks found. Classification of behaviors. Forms of degradation, their description, and forms of representation. Environmental factors. Rates of evolution. 3. Brief overview of methods and techniques of study and analysis. Laboratory tests. On-site tests. Sampling. Non-destructive or micro-destructive tests. 4. Introduction to conservation. From diagnosis to execution. Concepts and principles of conservation. Methods and stages of a conservation intervention. The main types of actions. Interventions on structures. 5. Interventions on masonry walls. The role of joints. Mortars and their use. Principles of operation. Compatibility issues. Performance indicators. The conservation of archaeological structures. 6. Cleaning architectural surfaces. Methods, their suitability, and control of execution. Patina and its relevance in the conservation of stone surfaces. Uses and abuses in cleaning actions. 7. Biocolonization of stone surfaces. Aesthetic or damaging effects? Biocides and their control. Monitoring biocolonization. 8. Treatments on stone surfaces. Consolidation of porous and cracked rocks. Laboratory study of consolidants. Effectiveness and harmfulness. 9. Some case studies.

GMG5874 GEOLOGICAL HERITAGE AND GEOCONSERVATION: 1. Geodiversity: Concepts and definitions. Elements of geodiversity. Values and threats to geodiversity. 2. Methods for assessing geodiversity. Ecosystem services of geodiversity. 3. Geological heritage. Concepts of geological heritage, geosite, and geodiversity site. The different types of geological heritage. 4. Particularities of geomorphological heritage. In situ and ex situ geological heritage. Methods for inventorying and qualitatively assessing geological heritage. Case studies. 5. History of geoconservation. From nature conservation to geoconservation. The role of UNESCO, IUGS, and IUCN. The work of ProGEO. The work of AGeoBR. 6. Geoconservation and nature conservation policies. Geoconservation and geological heritage in Brazil. Potential developments of regional inventories. 7. Geoconservation as a branch of geosciences. Strategies in geoconservation. Stages in a geoconservation strategy: Inventory. Qualitative and quantitative assessment. Legal framework. Conservation and management of geological heritage. Valorization and dissemination. 8. Methodology for the conservation and monitoring of geosites of various types of interest.

STRUCTURAL GEOLOGY AND TECTONICS:

GMG0337 STRUCTURAL GEOLOGY I – BRITTLE REGIMES AND DEFORMATION: 1. Definition and methods in structural geology. 2. Stress and deformation. 3. Rupture and Mohr's Circle and Mohr-Coulomb Fracture Criterion. 4. Fractures, faults, and joints. 5. Deformation and Mohr's Circle. 6. Mechanisms of deformation and faulting. 7. Rheology. Practice: 1. Layer and notation of planes and lines. 2. Three-point problem. 3. Reflection of planes. 4. Real and apparent dip of layers. 5. Thickness and depth of layers. 6. Orthographic and stereographic projection.

GMG0338 STRUCTURAL GEOLOGY II – DUCTILE REGIMES: 1. Description of folds. 2. Folding mechanisms. 3. Linear structures and superimposition of folds. 4. Shear zones – geometry and kinematics. 5. Shear zones – cataclastic and mylonitic rocks. 6. Reading and analysis of structures on geological maps. 7. Geological sections. 8. Balancing and restoration of geological sections. 9. Structures associated with extensional regimes: extensional faults and fault systems, low-angle extensional faults, grabens, hemigrabens, and accommodation zones. 10. Structures associated with contraction regimes: Overthrust faults – nappes, imbrication zones, sequential thrusts, duplexes. Thin and thick skin structural styles, lateral ramps, fault-related folds. 11. Structures associated with transpressive and transtractive regimes: strike-slip faults, transfer faults, transform faults, restriction and release curves, positive and negative flower structures.

GMG0402 GEOTECTONICS: 1. Historical perspective; Geosyncline theory; Continental drift theory; Plate tectonics theory, seismic waves and internal structure of the Earth (compositional vs. rheological); Indirect and direct methods; Mantle and core (composition and secular evolution). 2. Cratons and mobile belts. 3. Continental vs. oceanic crust: seismic and compositional structure; Models of generation of different layers; Primitive crust: origin and composition; the oldest minerals and rocks on Earth; Vertical tectonic regimes. 4. How continents grow: secular growth rates and compositional variation; isotopic signatures; heat flow and variation over time; the role of crustal recycling. The Wilson cycle. 5. Rheology of the lithosphere; isostasy and flexure. 6. Divergent boundaries: continental rifts and passive margins; oceanic spreading and mid-ocean ridges. 7. Paleomagnetism and ancient continents; The Cycle and Geodynamics of Supercontinents. 8. Tectonic forces and quantification: slab-pull, ridge-push, and mantle drag. 9. Subduction zones, accretionary orogens (Andes), metamorphism, magmatism, associated basins. 10. Collisional orogens (Himalayas, Alps, Pyrenees); continent-continent collision mechanisms; delamination, exhumation. 11. Intracontinental orogens: theories, models, and characteristics; transform boundaries and plate kinematics. 12. Atmosphere, hydrosphere, and biosphere: their relationships with tectonic evolution. Field class in conjunction with the course GMG0409 Historical Geology of Brazil - Precambrian, for a transitional region between mobile belt and craton.

GEOCHEMISTRY AND ISOTOPIC GEOLOGY:

0440220 GEOCHEMISTRY: 1. Stable isotopes: basic concepts and fractionation mechanisms. 2. Stable isotopes: geothermometers and indicators of geological processes. 3. Radioactive and radiogenic isotopes: decay processes and geochronological methods. 4. Radioactive and radiogenic isotopes: isotopic ratios and evolution of the mantle and crust. 5. Anthropocene and its impacts on geochemical cycles (part 1). 6. Anthropocene and its impacts on geochemical cycles (part 2). 7. Geochemical cycles of nitrogen and phosphorus. 8. Geochemical cycles of carbon. 9.

Nucleosynthesis and cosmochemistry: the origin of elements and their distribution in nature. 10. Origin and chemical differentiation of the Solar System. 11. Origin and geochemical differentiation of the Earth. 12. Composition and geochemical differentiation of the core, mantle, and oceanic crust. 13. Geochemistry of the Earth's atmosphere. 14. Geochemistry of the Earth's hydrosphere. 15. Geochemistry of the biosphere. 16. Geochemical coevolution of the Earth's spheres. 17. Geochemistry of the Earth's atmosphere. 18. Composition and geochemical differentiation of the continental crust. 19. Geochemistry of igneous rocks: magmatic differentiation and partition coefficients. 20. Geochemistry of metamorphic rocks: mineral reactions and PTX indicators. 21. Weathering and geochemistry of sedimentary rocks. 22. Paleoclimates and geochemical indicators. 23. Climate change. 24. Geochemical evolution of the continental crust and interactions with the biosphere and atmosphere.

GMG0404 APPLIED ISOTOPIC GEOLOGY: 1. Radioactivity and geochronology. Isotopic measurements and mass spectrometry of traditional and non-traditional isotopes; 2. K-Ar and ^{40}Ar - ^{39}Ar methods - Age calculation; 3. Rb-Sr system - Age calculation - Construction of isochron diagrams - Sr isotopes in petrogenesis; 4. Sm-Nd method - Age calculation (isochronous and model) - Nd isotopes in petrogenesis; 5. U-Pb method - Applications, geological interpretations, and construction of concordia diagrams; 6. Pb-Pb method - Age calculation (isochronous and model) - Applications and geological interpretations; 7. Geochemistry of traditional and non-traditional isotopes applied to: 7.1. Metallogenesis; 7.2. Paleoclimatology; 7.3. The environment; 7.4. Chemostratigraphy.

GMG5821 GEOCHRONOLOGY: Theoretical Part: • Geological Time Scale and Fundamental Principles of Geochronology: general concepts and boundaries of analytical and geoscientific knowledge. • Analytical Techniques and Isotopic Measurements - Mass Spectrometry (Thermoionization, Plasma, Secondary Ions, Noble Gases). • Radiometric Methods K-Ar and $^{40}\text{Ar}/^{39}\text{Ar}$, Rb-Sr, Sm-Nd and Lu-Hf, U-Th-Pb, Re-Os: Common Principles, Interpretations, and Applications. Practical Part: • Reinforcement exercises: decay equations, isochron diagrams, graphical representation of geochronological data (Concordia, Heating Spectrum, Density Probability Curves). • Geochronological interpretation exercises.

MINERALOGY:

GMG0106 FUNDAMENTAL CRYSTALLOGRAPHY: The crystalline state. Physical and morphological properties of crystalline substances. Fundamental laws (Steno, Haüy). Elements of symmetry and their combinations. Point groups, crystal classes, and crystal systems. Stereographic projection: Wulff diagram. Faces, zones, and forms; Weiss-Miller indices. Translations in the crystal lattice. The 14 Bravais cells. Elements of lattice symmetry. Space groups. Unit cell. Crystal chemistry: the constituent particles of the lattice and their packing. Coordination number, Pauling rules; molecular and non-

molecular, ionic, covalent, metallic crystals. Crystal defects, twinning. Substitutions in the lattice: solid solutions. Isomorphism, polymorphism. X-ray diffraction: principles of application: structural calculations and mineral identification (ICDD system).

GMG0220 MINERALOGY: Fundamental concepts, classification of minerals, and mineralogy museums. Systematic mineralogy: silicates, native elements, sulfides, oxides, hydroxides, halides, carbonates, sulfates, phosphates, and other mineral classes. Methods of mineral characterization: physical properties, optical properties, X-ray diffraction, scanning electron microscopy and electron microprobe, and other analytical methods. Optical mineralogy: the petrographic microscope, observations with polarized light and crossed polarizers, uniaxial and biaxial indicatrix.

GMG5855 FUNDAMENTAL MINERALOGY: Mineralogical nomenclature; history of mineralogy; external symmetry; X-ray diffraction; crystal chemistry; formula calculation; phase diagrams and thermodynamics.

IGNEOUS PETROLOGY:

GMG0331 IGNEOUS PETROLOGY: THEORETICAL CLASSES: 1) Fundamental concepts, composition, and classification of magmatic rocks. 2) Structure and rheology of melts and magmas. 3) Extrusion of magmas: field relationships of volcanic rock bodies. 4) Ascent and emplacement of magmas: field relationships of intrusions. 5) Crystal-melt equilibrium in magmatic systems. 6) Dynamics of chemical evolution of melts and crystals. 7) Generation of magmas in the mantle and crust. 8) Differentiation of magmas - processes in closed and open systems (crystal-liquid fractionation, crustal assimilation, physical and chemical interaction between magmas). 9) Petrotectonic associations. **PRACTICAL CLASSES:** 1) Main mineralogy and classification of igneous rocks. 2) Effusive volcanic rocks and pyroclastic rocks. 3) Recognition of plutonic rock textures. 4) Phase diagrams in igneous petrology. 5) Magma crystallization sequence. 6) Petrography of mafic rocks and intrusive felsic rocks. 7) Geochemical modeling of igneous processes ("classical" and thermodynamic). **FIELD CLASSES:** Geology, stratigraphy, and structures of igneous rocks. Field evidence for recognition of magmatic processes.

GMG5853 PETROLOGY OF IGNEOUS ROCKS: • Classification of igneous rocks. • Tectonics and magmatism. Petrotectonic associations. • The Earth's crust. Pressure and temperature distribution. Mantle: structure, composition. Energy for crustal and mantle events. Transport and accommodation of magmas in the crust. • Methods for studying magmatic rocks. • Processes of magma generation in the Earth's crust and mantle. • Processes of magmatic differentiation: closed systems and open systems. • Principles of thermodynamics and phase diagrams. Applications in igneous systems. • Geochemical modeling of igneous processes. • The main magmatic series.

METAMORPHIC PETROLOGY:

GMG0332 METAMORPHIC PETROLOGY: Theoretical part: 01. Definition of metamorphism and physical conditions, temperature, lithostatic pressure, directed pressure, and fluid pressure; 02. Metamorphic structures and textures; Nomenclature of metamorphic rocks; 03. Types of metamorphism. Concept of index mineral, metamorphic facies, paragenesis, isograd, metamorphic zone, metamorphic grade, metamorphic facies series, and metamorphic field gradient; 04. Phase diagrams, Schreinemakers rules, metamorphic reactions, chemography and topology of petrogenetic grids, compatibility diagrams; 05. Metamorphism of ultramafic rocks; 06. Metamorphism of pure and impure carbonate rocks; 07. Metamorphism of mafic rocks; 08. Metamorphism of pelites; 09. Formation and classification of cataclasites and mylonites; 10. Partial melting of the continental crust, formation and classification of migmatites; 11. Extreme metamorphism: formation and classification of granulites and eclogites; 12. Metamorphism, crustal evolution and plate tectonics, P-T-t trajectories. Practical part: 01. Classification and nomenclature of metamorphic rocks; 02. Phase diagrams; 03. Description and petrology of ultramafic rocks; 04. Description and petrology of pure and impure carbonate rocks; 05. Description and petrology of mafic rocks; 06. Description and petrology of pelitic rocks; 07. Description, classification, and petrology of cataclastic rocks; 08. Description and petrology of migmatites; 09. Description and petrology of granulites and eclogites; 10. Case study: metamorphic petrology of a region in which regional metamorphism is well characterized.

GMG5852 PETROLOGY OF METAMORPHIC ROCKS: A) Theoretical Part: 01. Definition of metamorphism. Main types of metamorphism. Factors that control metamorphism. Subdivisions of metamorphism, concept of metamorphic zone, index mineral, isograd, facies, and metamorphic grade. Baryometric types. 02. Gibbs' Phase Rule. Phase diagrams. Schreinemakers' Rules. Theoretical chemical systems with one, two, and three components. Degenerate systems. Influence of the fluid phase on the stability of mineral parageneses. Compatibility diagrams, projections, and petrogenetic grids. Geometry and construction of pseudosections. 03. Principles of thermobarometry. Types and calibrations of thermobarometers. Internally consistent databases. Thermobarometry with accessory minerals. 04. Metamorphism of ultramafic-ultrabasic rocks in the main chemical systems: MSH (MgO-SiO₂-H₂O), CMSH (CaO-MgO-SiO₂-H₂O), CMASH (CaO-MgO-Al₂O₃-SiO₂-H₂O) and NCMASH (Na₂O-CaO-MgO-Al₂O₃-SiO₂-H₂O). Serpentinization and its products. Metasomatism of ultramafic rocks. 05. Metamorphism of pure and siliceous limestones and dolomites, and of calcium-silicate rocks. Effect of the H₂O-CO₂ fluid phase on metamorphic reactions. 06. Metamorphism of mafic-basic rocks. Analysis of typical parageneses, ACF diagram, and pseudosection study. 07. Metamorphism of pelitic rocks. Analysis via the KFMASH system (K₂O-FeO-MgO-Al₂O₃-H₂O) and the effects of additional components MnO, Na₂O, CaO, TiO₂, and Fe₂O₃. The AFM diagram, its variations and applications in the representation of pelitic rock parageneses. 08. Migmatites. Anatexis

and fusion reactions. Classification and nomenclature of migmatites. Textures related to fusion and crystallization/recrystallization of migmatites. P-T conditions for the formation of migmatites. Water influx and partial fusion. 09. Granulites: definition, nomenclature, and types. Diagnostic parageneses and P-T conditions. Ultra-high temperature metamorphism. Relationships between melting and granulites. 10. Eclogite and blue schist facies rocks. Diagnostic parageneses and P-T conditions. Formation and exhumation models of high-pressure rocks. 11. Tectonic environments and metamorphism. P-T trajectories and factors controlling metamorphism in different tectonic environments. The metamorphic record in the Earth's crust and its tectonic interpretation. B) Practical Part: The practical part consists of the study of thin section suites of metamorphic rocks from selected regions, aiming to interpret their origin and metamorphism conditions, as well as exercises in thermobarometric calculations and pseudosection reconstruction. 1. Contact metamorphism in pelitic and carbonate rocks; 2. Regional metamorphism: green schist and amphibolite facies in magnesian pelites; 3. Metamorphism of mafic rocks; 4. Metamorphism of ultramafic rocks; 5. Migmatites and granulites; 6. Eclogites and blue schists; 7. Thermobarometry; 8. Calculation of pseudosections.

The examination will be governed by constitutional principles, notably that of impartiality, as well as by the provisions of the Statute and General Regulations of the University of São Paulo and the Internal Regulations of the Institute of Geosciences.

1. Applications must be submitted exclusively via *the link* <https://uspdigital.usp.br/gr/admissao> during the period indicated above. Candidates must submit an application addressed to the Director of the Institute of Geosciences at the University of São Paulo, containing personal details and the area of expertise (specialization) of the Department to which they are applying, accompanied by the following documents:

I – identification documents (ID card and CPF or passport);

II – detailed curriculum vitae (memorial), in Portuguese or English, with proof of published papers, activities relevant to the examination, and other information that allows for the evaluation of their merits, in digital format;

III – proof of holding a Doctorate degree, awarded by USP, recognized by USP, or valid nationally;

IV – original thesis or text that critically systematizes the candidate's work or part of it, in Portuguese or English, in digital format;

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

VI – certificate of electoral discharge (certifying that they are in good standing) or detailed certificate issued by the Electoral Court less than 30 days before the start of the registration period.

§ 1 - The detailed memorial referred to in item II is understood to be the presentation of a reflective analysis of the candidate's academic background, personal study

experiences, work, research, publications, and other information relevant to their academic and professional life, indicating motivations and meanings.

§ 2 - Supporting elements for the memorial referred to in item II, such as maquettes, works of art, or other materials that cannot be scanned, must be submitted by the last business day before the start of the examination.

§ 3 - Links to Dropbox or Google Drive or any other page that can be altered by the candidate themselves will not be accepted as proof of the items contained in the memorial.

§ 4 - For the purposes of item III, defense minutes without information on approval will not be accepted when the granting of the Doctorate title depends on this measure within the scope of the issuing Educational Institution, and the candidate is hereby aware that in this case, the absence of proof of such approval will result in the rejection of their application.

§ 5 - The systematized text referred to in item IV, an alternative to the original thesis, must be prepared critically, with the necessary theoretical articulation, preceded by an introduction and completed by conclusions, and must be individual and authored by the candidate themselves. The works on which the systematized text is based may have been co-authored with other researchers and must be attached in any language in which they are written, and the Congregation may request the candidate to provide a translation if it deems necessary.

§ 6 - Professors currently employed by USP will be exempt from the requirements referred to in items V and VI, provided they presented the relevant documentation at the time of their initial contract.

§ 7 - Foreign candidates shall be exempt from the requirements of items V and VI, provided they prove that they are in good standing in Brazil at the time of the tests.

§ 8 - At the time of registration, candidates with or without disabilities may inform the need for specific resources to take the tests, and must attach a medical report issued no more than two (2) years prior to the examination, written in Portuguese or accompanied by a certified translation, clearly stating the need for adaptation.

§ 9 - It is the candidate's sole responsibility *to upload* their documents in the specific field indicated by the system at *the link* <https://uspdigital.usp.br/gr/admissao>, and the candidate is aware that *uploading* documents in an order other than that established there will result in the rejection of their registration.

§ 10 - It is the candidate's sole responsibility to submit their documents in their entirety (front and back) and in a legible file, and the candidate is hereby aware that if they do not remedy any irregularities in the upload of incomplete or illegible documents during the registration period, their registration will be rejected.

§ 11 - The late submission of documents by the candidate will not be accepted, even in the event of an appeal.

§ 12 - At the time of application, the candidate must indicate their agreement with the terms contained in this notice, as well as declare that they accept that their personal data, sensitive or not, will be processed in order to enable the effective execution of the public examination, with the application of the evaluation and selection criteria,

expressly authorizing the disclosure of their names and grades, in compliance with the principles of publicity and transparency that govern the Public Administration and under the terms of Law No. 13.709/2018.

§ 13 – Only applications duly submitted in accordance with the terms of this notice will be analyzed by the Congregation.

§ 14 - At the time of registration, candidates may express their intention to take the tests in English, pursuant to Article 39 and its sole paragraph of the Regulations of the Institute of Geosciences of USP. The content of the tests conducted in English and Portuguese will be identical.

2. Registrations will be judged by the Congregation of the Institute of Geosciences of the University of São Paulo, in their formal aspect, within a maximum period of ninety (90) days after the end of the registration period, with the decision being published in the State Official Gazette within five (5) business days.

§ 1 - The examination must take place within a maximum of 120 (one hundred and twenty) days from the date of publication in the State Official Gazette of the approval of registrations, in accordance with Article 166 of the USP General Regulations.

§ 2 - The call for tests shall be published in the State Official Gazette at least five (5) business days prior to their date.

3. The tests will consist of:

I - defense of a thesis or text that critically systematizes the candidate's work or part of it - weight 4;

II – evaluation of the memorial with public oral examination – weight 3;

III – teaching evaluation – weight 3.

§ 1 - The call for registered candidates to take the tests will be published in the State Official Gazette.

§ 2 - Candidates will be disqualified from the examination, without prejudice to applicable legal sanctions, at any point in the process if they:

a) arrive after the established time for the start of the examination or any of the tests, including the drawing of themes, if any;

b) fail to appear when requested to do so during the examination phases or leave the tests without the authorization of the Judging Committee;

c) on test sheets that require anonymity of authorship, the candidates must not make any mark, initials, annotation, or signature that allows for their identification.

d) engage in inappropriate behavior or behavior that disrupts the tests or any other stages of the examination, disturbing the order of the proceedings, whether through verbal expressions or conduct incompatible with the fairness and tranquility of the environment;

e) carrying a firearm at the examination site, even if legally authorized to do so, except in exceptional cases provided for by law and expressly authorized by the Judging Committee.

4. The tests listed in items I to III of item 3 of this notice may be conducted by videoconference, with the candidate, the Chair of the Judging Committee, and at least two other members of the Judging Committee present at the examination venue.

§ 1 - Examiners who are remote will be allowed to evaluate and question under the same conditions that would be offered to examiners present at the examination location.

§ 2 - Tests using videoconferencing or other electronic means will be suspended (for thirty minutes) if a technical problem is detected that prevents the proper participation of any examiner or candidate.

§ 3 - If the connection is not restored within thirty minutes, the test will be suspended and must be resumed from the stage at which the technical problem occurred.

§ 4 - Tests completed before the occurrence of technical problems in the videoconferencing system or other electronic means will be preserved.

§ 5 - All occurrences must be recorded in the final report.

§ 6 - A secure electronic system adopted by the University must be used in test activities that require the Judging Committee to meet in secret session.

5. The following rules shall be observed in the public defense of a thesis or text:

I – the thesis or text shall be sent to each member of the Judging Committee at least thirty days before the exam;

II – the duration of the examination shall not exceed thirty minutes per examiner, with the candidate having the same amount of time to respond;

III – if there is agreement between the examiner and the candidate, a dialogue between the two may be established, observing the overall time limit of sixty minutes.

Sole paragraph - In the public defense of the thesis or text, the examiners shall take into account the intrinsic value of the work, the mastery of the subject matter, as well as the candidate's original contribution in the relevant area of knowledge.

6. The judgment of the memorial and the evaluation of the public oral examination will be expressed by means of an overall grade, assigned after the oral examination of all candidates, which should reflect the performance in the oral examination, as well as the merit of the candidates.

§ 1 – The merit of the candidates will be judged based on their activities, which may include:

I – scientific, literary, philosophical, or artistic production;

II – teaching activities;

III – training and mentoring activities;

- IV – activities related to community service;
- V – professional activities, or others, where applicable;
- VI – diplomas and other university honors.

§ 2 – The Judging Committee shall give preference to titles obtained, work, and other activities carried out after obtaining the doctoral degree.

7. The teaching evaluation exam is intended to verify the candidate's organizational skills, production, or teaching performance.

Sole paragraph – The teaching evaluation exam will be public, corresponding to a postgraduate-level class, and conducted based on the program set forth in this notice, in accordance with the USP General Regulations, Article 49 of the Internal Regulations of the Institute of Geosciences, and the following rules:

- I - it is up to the Judging Committee to decide whether the topic chosen by the candidate is relevant to the above-mentioned program;
- II - the candidate's presentation may not exceed sixty minutes, and the Judging Committee shall interrupt it when the 60th (sixtieth) minute of the exam is reached;
- III – each member of the judging committee may ask questions about the lecture given, not exceeding fifteen minutes, with the candidate being given the same amount of time to respond.

8. The judging of the associate professor examination will be carried out in accordance with the following rules:

- I – the teaching evaluation test score will be assigned immediately after the completion of all candidates' tests;
- II – the evaluation of the memorial and the public oral examination will be expressed by means of an overall score in accordance with item 6 of this notice;
- III – once all candidates have defended their thesis or text, the test will be judged and the corresponding score will be assigned.

9. The test scores will range from zero to ten and may be rounded to the first decimal place.

10. At the end of the tests, each examiner will assign each candidate a final grade, which will be the weighted average of the partial grades awarded by him or her.

11. Once the assessment is complete, the Judging Committee will prepare a detailed report on the candidates' performance, justifying the scores.

Sole paragraph - Individual reports from the members of the Judging Committee may be attached to the report.

12. The result will be announced immediately by the Judging Committee in a public session.

Sole paragraph - Candidates who achieve a minimum final score of 7 (seven) from the majority of examiners will be considered qualified.

13. The Judging Committee's report shall be reviewed by the Congregation for approval, after formal review, within a maximum period of ninety (90) days.

Sole paragraph – The decision of the Congregation and the reports of the Judging Committee shall be published within five (5) business days.

14. Appeals may be lodged within ten (10) days from the date of publication of the respective act in the Official Gazette, under penalty of preclusion, in the following cases:

I – decision of the Congregation to establish the Judging Committee;

II – the Congregation's assessment of the applications with regard to formal requirements;

III – approval of the final report of the Judging Committee by the Congregation.

§ 1 – The evaluation of candidates' merit is the exclusive and non-delegable responsibility of the Judging Committee, and the appellate courts are not responsible for re-evaluating it, but only for verifying the legality and regularity of the evaluation process.

§ 2 – Appeals filed on the basis of item I of this section, after consideration by the Congregation, will only proceed to higher courts after the Congregation has approved the final report of the examination.

§ 3 – In the processing of appeals filed on the basis of item III of this article, the nominated candidate shall be guaranteed the right to respond, in the form of counterarguments, within ten (10) days of being notified to do so.

15. Clarifications regarding this notice may be provided by the Academic Division of the Institute of Geosciences of the University of São Paulo, at Rua do Lago, 562 - room 306 - Butantã, São Paulo – SP, email: atacigc@usp.br.