

10. - Bipolar transistor. Operating principle, biasing, amplifiers, analytical models. Electrical characterization. Computational simulation.

11. - Integrated amplifier: differential pair, voltage gain, current mirror, stability and frequency analysis.

12. - Operational amplifiers. Ideal amplifier. Effects of finite loop gain and offset voltage. Applications - amplifiers, integrators and differentiators, active filters.

Bibliography

[1] - L.Q. Orsini and D. Consonni, *Curso de Circuitos Elétricos*, vols 1 e 2, Edgar Blucher, 2002, 2004.

[2] - A.V. Oppenheim, A.S. Willsky and W.S. Hamid, *Sistemas e Sinais*, 2a ed., Pearson, 2015

[3] - A.S. Sedra and K.C. Smith, *Microeletrônica* 5a ed., Prentice Hall Brasil.

[4] - B. Streetman and S. Banerjee, *Solid State Electronics Devices*, Prentice Hall, 2005.

The public examination will be governed by constitutional principles, notably that of impersonality, as well as by the Statute and General Regulations of the University of São Paulo and the Regulations of Polytechnic School.

1. Registration requests must be made exclusively through the link <https://uspdigital.usp.br/gr/admissao> in the period indicated above, and the candidate must fill in the requested personal data and attach the following documents:

I – detailed memorial and proof of published work, activities carried out relevant to the examination and other information that allows evaluation of its merits, in digital format;

II – proof that they hold the title of Doctor awarded by USP, recognized by it or of national validity;

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

IV – electoral discharge certificate or detailed certificate issued by the Electoral Court, emitted less than 30 days before the start of the registration period;

V – official identity document.

§ 1 - Evidence supporting the memorial referred in section I, such as models, works of art or other materials that cannot be digitized must be submitted until the last business day before the start of the examination.

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

§ 3 - For the purposes of item II, defense minutes will not be accepted without information about homologation when the granting of the Doctorate title depends on this measure in the scope of the issuing Educational Institution, with the candidate being aware from now on that the absence of proof of such homologation will result in the denial of your registration in the examination.

§ 4 - Professors working at USP will be exempt from the requirements referred to in items III and IV, as long as they have proven due submission of the documentation at the time of their contract initial.

§ 5 - 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.

§ 6 - The foreign candidate approved in the examination and indicated to fill out the position can only take over the position if they present a temporary or permanent visa that provides the carrying out remunerated activity in Brazil.

§ 7 - At the time of registration, candidates with disabilities must submit a request in order for the necessary conditions for the carrying out of the examination to be provided.

§ 8 - It is the candidate's sole responsibility to upload each document in the specific space indicated by the system in the link <https://uspdigital.usp.br/gr/admissao>, being the candidate aware from now on that the uploading documents in a different order to that established there will imply the rejection of their registration.

§ 9 - It is the candidate's full responsibility to present their documents in its entirety (front and back) and in a legible file, with the candidate being immediately aware of that, if any irregularities in uploading incomplete or illegible documents are not corrected during the registration period, their application will be rejected.

§ 10 - Untimely presentation of documents by the candidate will not be permitted, even at an appeal level.

§ 11 - At the time of registration, the candidate who declares themselves black, mixed race or indigenous will express their interest in participating in the differentiated scoring provided for in item 8 and its paragraphs of this Notice.

§ 12 - In order to be entitled to the bonus for self-declared black and brown candidates, the candidate must have phenotypic traits that characterize them as black, black or brown colour.

§ 13 - The self-declaration as black or brown made by the candidate who expresses their interest in participating in the differentiated scoring will be subject to confirmation through hetero-identification committee.

§ 14 - In the event of non-confirmation of self-declaration of racial affiliation, the candidate will be eliminated from the examination and, if they have been nominated, they will be subject to cancellation of their admission to public service or employment, following an administrative procedure in which contradictory and broad defense are ensured, without prejudice to other sanctions applicable.

§ 15 - To confirm the self-declaration of the indigenous candidate, it will be required, at the time of registration, the Administrative Register of Birth of the Indian - Rani itself or, in the absence of this document, the Administrative Registration of Indian Birth - Rani of one of their parents.

§ 16 - Exceptional situations may be assessed by the Inclusion Council and Belonging, which

may allow confirmation of the candidate's self-declaration as indigenous people through, cumulatively, memorial and declaration of ethnic belonging signed by chiefs, tuxauas, indigenous community leaders, associations and/or organizations representing the indigenous peoples of the respective regions, under the penalty of Law.

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

§ 18 - For the purposes of section III, the documents listed in art. 209 of the Decree Federal nº 57.654/1966 will be accepted, with male candidates who have completed 45 (forty-five) years of age by December 31st of the year prior to the registration opening period being exempt from doing so.

§ 19 - At the time of registration, the candidate may express their intention to take the tests in English, in accordance with Article 48, paragraph 9, of the Polytechnic School Regulations from USP. The contents of the tests carried out in English and Portuguese will be identical.

2. Applications will be judged by the Congregation of the Polytechnic School of the University of São Paulo, in its formal aspect, publishing the decision in a notice.

Sole paragraph – The examination must take place within thirty to one hundred and twenty days, counting from the date of publication in the Official State Gazette of the approval of registrations, in accordance with article 134, sole paragraph, of the USP General Regulations.

3. The competition shall be carried out following objective criteria, in two stages, utilizing the awarding of test scores, divided as follows:

1st phase (eliminatory) - written exam - weight 01

2nd phase:

I) - Curriculum Vitae with public interview – weight 01

§ 1 - The convocation for the examination of those who applied for the position will be published in the Official State Gazette.

§ 2 - Candidates who arrive late (after the appointed time) will not be able to take the exams.

4. The written test, which will deal with matters of general and doctrinal order, will be carried out accordingly to the provisions of art. 139, and its sole paragraph, of the General Rules of USP.

I - the judging committee will organize a list of ten themes, based on the program of the public examination, and will inform the candidates twenty-four hours before the draw of the theme. Other activities may be scheduled during this period;

II - the candidate may propose the substitution of some or all the themes immediately after being informed about them, if they understand that those do not belong to the program of the public examination. The judging committee has the responsibility to decide on the spot, on the merits of the claim;

III - Once the theme has been drawn, the non-extendable period of five hours of the exam begins;

IV - for the first 60 minutes after the draw, the candidate will be allowed to consult books, periodicals, and other bibliographical documents;

V - the handwritten notes made during the consultation period may be used during the exam, and should be made on paper signed by the committee and attached to the final text;

VI - The candidate may use a computer for the written test, upon written request to the judging committee, in accordance with Circ. SG/Co/70, of 5/9/2001, and decision of the Congregation in a session on 28/02/2024;

VII - the answer prepared by the candidate, which will be read in a public session by the candidate, must be reproduced in copies that will be delivered to the members of the judging committee when the session is opened;

VIII - each test will be evaluated, individually, by the members of the judging committee;

IX - a candidate will be considered qualified for the 2nd phase if they obtain, from the majority of the members of the judging committee, a minimum score of seven;

X - the judging committee will present, in a public session, the grades awarded to the candidates.

5. At the end of the assessment of the written test, each candidate will receive from each examiner a final grade, observing the possible application of the differentiated score under item 11 of this Notice.

6. Only the candidates that were successful in the first phase will participate in the second phase.

7. The evaluation of the memorial, expressed by a global grade, including interview and evaluation, shall reflect the merits of the candidate.

Sole paragraph – About the memorial, the commission shall appreciate:

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

II - university didactic activities;

III - activities related to the provision of services to the community;

IV - professional or other activities, when applicable;

V - diplomas and other university distinctions.

8. The didactic exam will be public, with a minimum duration of forty and a maximum of sixty minutes, and will cover the program of the area of knowledge mentioned above, according to the terms of article 137 of the General Rules of USP.

I - the judging committee, based on the public examination program, will organize a list of ten themes, which will be informed to the candidates immediately before the draw of the theme;

II - the candidate may propose the substitution of themes, immediately after being informed about them as mentioned in I, if they understand that those do not belong to the program of the public examination. It is the responsibility of the judging committee to decide the validity of the claim;

III - the draw of the point will be done twenty-four hours before the didactic exam. The period of 24 hours will be of free use by the candidate, no other activities will be scheduled during this time;

IV - the candidate can use the didactic material that they deem necessary;

V - if the number of candidates requires it, the candidates will be divided into groups of a maximum of three, observing the order of registration, for drawing points and conducting the exam.

9. At the end of the assessment of the exams, each candidate will have from each examiner a final grade that will be the average of the grades awarded to them in both phases, observed the weights mentioned in item 3 and the possible application of differentiated scoring in terms of item 11 of this notice.

10. Exam grades may range from zero to ten to the first decimal place.

11. Differentiated scores will be applied to black, brown and indigenous candidates, under the terms specified here.

§ 1 - The formula for calculating the differentiated score to be attributed to blacks, browns and indigenous people is:

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

Where:

• PD is the differentiated score to be added to the grades of all black, brown or indigenous candidates who expressed interest in participating in the differentiated scoring.

• MCA is the average score of the broad examination among all candidates who scored, excluding those who are not habilitated, that is, those who did not reach the minimum score referred to in item 10 of this Notice. "Broad competition" means all candidates who scored

and who did not declare themselves as black, brown or indigenous and those who, having declared to be black, brown or indigenous, have chosen not to participate in the differentiated scoring.

• MCPPI is the average PPI examination score among all candidates who scored, excluding those who are not habilitated.

§ 2 - The formula for applying the differentiated score to the final grades of black, brown and indigenous people is:

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

Where:

• NFCPP is the final grade of the public examination, after applying the differentiated score

that will generate the candidate's classification in the public examination stage, limited to the grade maximum stipulated in the notice. At the end of the public examination, the final grade will be considered the candidate's simple score.

• NSCPPI is the simple score of the candidate benefitted, on which the differentiated score will be applied.

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

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

§ 5 - In the absence of candidates benefiting from the differentiated score between the habilitated, the differentiated score will not be calculated.

§ 6 - The differentiated score will not be applied when, in the calculation formula of the

differentiated score (PD), the MCPPI (examination average PPI score) is greater than the MCA (broad competition average score).

12. The result of the examination will be announced by the judging committee immediately after its end in a public session.

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

14. The candidates qualified shall be nominated by each examiner, according to the grades awarded by them.

15. The candidate who obtains the highest number of nominations from the judging committee shall be nominated for the position.

16. The actual hiring of the chosen candidate shall be subject to approval at a medical examination carried out by the Medical Department of the State of São Paulo - DPME, according to article 47, VI of Law 10261/68.

17. The nomination of the candidate approved in the public competition, as well as the other resulting measures, shall be governed by the terms of Resolution 7271 of 2016.

18. The appointed faculty member in full time (RDIDP) shall maintain exclusive employment relations with USP, according to Article 197 of the General Rules of USP.

19. The public competition will be valid immediately and only the candidate indicated for the position described above will be appointed.

20. The candidate will be summoned for the position through the Official State Gazette.

21. Further information, as well as the rules pertinent to the public competitive examination, are available to those interested at the Service of Collegiate Departments and Public Competition of the Polytechnic School of the University of São Paulo, located at Avenida Professor Luciano Gualberto, Polytechnic Lane, nº 380, Butantã, São Paulo / SP, or by email: svrcp.pol@usp.br.

FACULDADE DE CIÊNCIAS FARMACÉUTICAS

Faculdade de Ciências Farmacêuticas

CONVOCAÇÃO DAS PROVAS

Edital FCF/ATAC nº 051/2024, de 06/08/2024.

Terá início dia 29 de outubro de 2024, terça-feira, às 8h, no auditório vermelho "Prof. Paulo Carvalho Ferreira", da Faculdade de Ciências Farmacêuticas da Universidade de São Paulo, localizada na Av. Prof. Lineu Prestes, 580, Bloco 13A, piso superior, Cidade Universitária, São Paulo/SP, o Concurso público de títulos e provas visando o provimento de 01 (um) cargo de Professor Doutor, em Regime de Dedicação Integral à Docência e à Pesquisa (RDIDP), referência MS-3, cargo e clero nº 1245830, junto ao Departamento de Farmácia (FBF), na área de conhecimento de "Assistência Farmacêutica e Cuidado Farmacêutico, conforme o Edital FCF/ATAC nº 005 de 09/02/2024, publicado no D.O.E. em 14/02/2024, Poder Executivo, Seção III, páginas 260 e 261, com os seguintes candidatos em ordem de inscrição: Ana Cristina Lo Prete, Ana Maria Rosa Freato Gonçalves, Carin Cristina da Silva Batista, Carolina Dagli Hernandez, João Paulo Vilela Rodrigues, Juliana Machado Ruggolo e Lucas Borges Pereira.

A Comissão Julgadora fica assim constituída: Membros Titulares: Profa. Assoc. Valentina Porta – FBF/FCF/USP (Presidente), Profa. Dra. Eliane Ribeiro – FBF/FCF/USP, Profa. Assoc. Tais Freire Galvão – UNICAMP, Prof. Assoc. Jean Leandro dos Santos – UNESP e Profa. Dra. Elisânde Maria Santos de Jesus – FCF/UNICAMP. Membros Suplentes: Profa. Tit. Terezinha de Jesus Andreoli Pinto – FBF/FCF/USP, Profa. Tit. Ana Campa – FBC/FCF/USP, Profa. Assoc. Tânia Marcourakis – FBC/FCF/USP e Profa. Adj. Daniela Oliveira de Melo – UNIFESP.

Ficam, pelo presente, convocados os candidatos e a Comissão Julgadora.

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