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REGULATION
for the organization and conduct of the doctoral studies program in
the Doctoral School of Physics of the University of Bucharest

Chapter I - General Provisions

Art. 1.

(1) The Regulation for the organization and conduct of the doctoral study program in the Doctoral School of Physics of the University of Bucharest (UB) is elaborated and adopted based on

- Higher Education Law no. 199/2023 (the Law), as subsequently amended and supplemented,
- The Framework Regulation on Doctoral Studies approved by O.M.E. no. 3020/8 January 2024 (Framework Regulation),
- the UB Charter (Charter) approved by the decision of the UB Senate of 20.09.2023,
- Regulations for the organization and conduct of doctoral study programs at the University of Bucharest (UB Regulations), approved by the decision of the UB Senate of 17.07.2024 and amended in the meetings of the UB Senate of 23.10.2024, 20.11.2024 and 19.03.2025.
- The partnership contract concluded in 2018 between the University of Bucharest and the national research and development institutes on the Magurele platform (Partnership Agreement).

(2) The Regulation applies to the Doctoral School of Physics (DSP) of the University of Bucharest, an institution organizing doctoral studies (IOSUD). The DSP operates under the coordination of the Council for Doctoral University Studies (CSUD) within the Faculty of Physics of the University of Bucharest, in partnership with the National Institute for Research and Development for Physics and Nuclear Engineering "Horia Hulubei" (IFIN-HH), The National Institute for Research and Development for Laser, Plasma and Radiation Physics (INCDFLPR), the National Institute for Research and Development for Materials Physics (INCDFM), the National Institute for Research and Development for Earth Physics (INCDFP) and the National Institute for Research and Development in Optoelectronics (INOE 2000) as a result of the Partnership Agreement concluded on 17.01.2018.

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Chapter II – Doctoral studies

Art. 2.

(1) The doctoral study program in the field of Physics is organized by the DSP, under the coordination of CSUD and the Council of the Doctoral School of Physics.

(2) The Board of Trustees shall be constituted at the level of the Board of Trustees, in accordance with the UB Regulations. The institutes that are signatories of the Partnership Agreement, which do not have elected representatives in the DSP Council, appoint a representative with the status of permanent guest at the meetings of the DSP Council, in accordance with the provisions of the Partnership Agreement.

(3) The attributions and competences of the DSP Council are those mentioned in the UB Regulations. The decisions of the DSP Council are adopted with the quorum and under the conditions established by the UB Regulation and are valid only with the agreement of at least half of the permanent guests.

(4) According to the principle of subsidiarity, all areas that are not expressly regulated by the UB Law, Framework Regulation, Charter or Regulation are, within their limits, within the competence of the DSP Council, through decisions adopted on their basis.

Art. 3.

(1) The doctoral degree program in the DSP shall be organized on the following Study Directions:

- (a) Experimental and Computational Biophysics, Medical Physics
- (b) Physics of the atmosphere and the Earth. Planetology
- (c) Atomic Physics, Nuclear Physics, Elementary Particle Physics, Astrophysics and Applications
- (d) Condensed state physics
- (e) Theoretical and Computational Physics
- (f) Optics, Spectroscopy, Plasma, Lasers
- (g) Renewable energy sources
- (h) Educational Physics

(2) Each direction of studies shall be coordinated by a doctoral supervisor, member of the DSP and professor of the University of Bucharest.

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(3) The admission to the doctoral studies cycle shall be organized annually, in one or two sessions, in accordance with the Regulation on the organization and conduct of the admission contest for doctoral studies in the field of Physics, elaborated in accordance with the Regulation on the organization and conduct of the admission contest for doctoral studies at the University of Bucharest.

(4) Following enrollment, the doctoral student carries out his/her activity within one of the study directions in which the DSP is organized.

(5) The doctoral study program takes place over 8 semesters (4 years) and includes 2 mandatory components:

- (a) training program based on advanced university studies, which accumulates a number of 30 credits;
- (b) the scientific research program, which accumulates a number of 210 credits, and ends with the public defense of the doctoral thesis.

(6) In special situations, at the proposal of the doctoral supervisor and within the limits of the available funds, the duration of the doctoral study program may be extended by a maximum of 2 years. At the request of the doctoral student, with the approval of the doctoral supervisor, the duration of doctoral studies may be reduced by one year. Doctoral studies may be interrupted for good reasons, with the approval of the CSUD, for a maximum period of 3 years. The duration of these studies shall be extended with the cumulative periods of approved discontinuations. As a rule, the cumulative interruption and/or extension periods may not exceed 5 years. To these are added, as an extension without charge, the period that elapses between the official submission of the doctoral thesis and the issuance of the doctoral degree, so as not to affect the right of the doctoral student to publicly defend the doctoral thesis.

(7) The extensions and interruptions provided for in para. (6) shall be established by addenda to the doctoral university study contract.

(8) The doctoral student may submit the requests regarding the changes that occurred during the doctoral studies at the Doctoral School of Physics, as a rule, before the effect produced by the request.

Art. 4.

(1) The training program based on advanced university studies takes place during two semesters, and can be followed by doctoral students throughout the doctoral studies, preferably in the first academic year.

(2) The DSP encourages the completion and promotion by doctoral students of the training program based on advanced university studies in the first academic year, including through the possibility of granting differentiated grades to doctoral theses.

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(3) The training program based on advanced university studies is carried out according to the curricula related to the study directions, which include disciplines with a modular character and specific content, as well as common disciplines, such as Ethics and Academic Integrity. All these subjects are compulsory. The curricula specific to the study directions are validated by the DSP Council, approved by the CSUD, and endorsed by the UB management.

(4) The contents of the subjects in the Curriculum specific to the study directions, which are part of the Training Program based on advanced university studies, are developed by the coordinators of each study direction following consultation with the doctoral supervisors working in the respective direction, especially the doctoral supervisors who have doctoral students in the first year of the doctoral internship.

(5) With the agreement of the doctoral supervisor, the doctoral student may opt for the replacement of some courses from the curriculum related to the doctoral study directorate in which he/she is enrolled with other courses from the curricula of the other study directorates, if this is beneficial to the study of the doctoral thesis topic.

(6) At the proposal of the doctoral supervisor and with the agreement of the DSP Council, up to 30 ECTS credits obtained in a research master's program may be recognized as equivalent to those in the training program based on advanced university studies of the doctoral student. It is recommended to grant this equivalence to doctoral students who have not attended specialized courses in the field of Physics.

(7) Under the same conditions as those provided for in para. (5), the credits obtained by completing previous doctoral internships in prestigious universities in the country or abroad may be recognized as equivalent, if the activities to which the ECTS credits are awarded are similar to those provided in the DSP Curriculum.

(8) The doctoral student has the obligation to be present at at least 75% of the specialized courses. The doctoral student has the obligation to be present at least 75% of the courses dedicated to academic ethics and integrity.

(9) In order to pass the subjects provided in the curriculum to be completed by awarding grades, the doctoral student must obtain at least a grade of 5.

(10) In order to pass the subjects provided in the curriculum to be completed by awarding grades, the doctoral student must obtain one of the grades *Very Good*, *Good*, or *Satisfactory*. The *Unsatisfactory* grade does not allow the doctoral student to promote the respective activity.

(11) In order to promote the research project provided in the curriculum, the doctoral student must obtain the qualification of *Admitted*. The *Rejected* grade does not allow the doctoral student to continue the Scientific Research Program.

(12) The attendance obligations of the doctoral student at the Scientific Research Program are established by the doctoral supervisor, and it is recommended that the minimum attendance is

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75%.

(13) In order to ensure a coherent scientific path and according to the Curriculum, within the Scientific Research Program, the doctoral student shall submit scientific reports or reports each semester presenting the progress of his/her scientific research program in front of the doctoral supervisor, respectively, the doctoral supervisor and the academic guidance and integrity committee. These presentations have the role of guiding, correcting and supporting the scientific path of the doctoral student.

(14) PhD students who have not completed all the activities provided for in the Curriculum and who do not obtain the minimum number of 240 credits may not publicly defend their doctoral thesis.

Art. 5.

(1) Doctoral studies may also be carried out under co-supervision. In this case, the doctoral student carries out his/her activity under the simultaneous guidance of a doctoral supervisor from IOSUD-UB and a doctoral supervisor from another country or from another IOSUD in Romania, based on a written agreement between the organizing institutions involved. The doctorate in cotutelle can also be organized if the doctoral supervisors are from IOSUD-UB.

(2) Doctoral studies may also be carried out in co-direction, in which case an agreement is concluded with a doctoral supervisor from another doctoral school / IOSUD or from another country, validated by the rectors of the two universities and by the directors of the two doctoral schools, but without involving the second doctoral school in any other way.

(3) In the case of doctoral studies organized in co-supervision/co-direction, the main doctoral supervisor is the one on whose vacant position of doctoral student the admission contest was organized, the second supervisor having a secondary role. The doctoral student is fully accounted for by the main supervisor, including in terms of the norming of the activity.

(4) If the written co-supervision/co-direction agreement is concluded between IOSUD-UB and a doctoral organizing institution abroad, the course of the study program, the doctoral thesis developed and the conditions of public defense must be established in compliance with the legal provisions that apply in both states. Otherwise, the administrative procedure carried out by IOSUD-UB is invalidated, and the title of doctor is not granted.

(5) The commission for the public defense of the doctoral thesis is proposed by the doctoral supervisor (the doctoral supervisors, in the case of theses in co-supervision/co-direction), endorsed by the DSP Council (by the council of the doctoral school to which the main doctoral supervisor belongs, in the case of doctoral theses in co-supervision / co-direction) and approved by the CSUD (including in the case of doctoral theses in co-supervision / co-direction, when the doctoral supervisors are part of two IOSUD, and the UB is the main IOSUD). The composition of the public support commission will comply with the legal provisions in force,

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as well as the internal decisions of the UB.

(6) If the committee for the public defense of the doctoral thesis, proposed by the doctoral supervisor (the doctoral supervisors, in the case of theses in co-supervision/co-direction), includes foreign reviewers, the public defense of the thesis will take place in the international language in which the thesis was written.

Chapter IV - The Doctoral School

Art. 6.

(1) The Doctoral School of Physics shall include doctoral supervisors, doctoral students, members of the advisory and academic integrity committees.

(2) The doctoral supervisors shall meet in the General Assembly at least once per semester.

(3) The General Assembly shall be legally organized regardless of the number of doctoral supervisors who participate. The decisions shall be adopted by the vote of the absolute majority of the members present. The decisions are consultative for the DSP Council, unless the Law, the Framework Regulation, the Charter, the UB Regulation or the regulations of the doctoral school provide otherwise.

(4) The manner of organization and conduct of the General Assembly is provided in the UB Regulations.

Art. 7.

(1) The DSP Council consists of 7 members: 5 doctoral supervisors (one of whom is the director of the doctoral school) and 2 doctoral students.

(2) The members of the doctoral school council are elected by the doctoral supervisors with the right to vote, according to the Law, the Framework Regulation and the UB Charter. The doctoral students who are members of the doctoral school council are elected by universal, direct and secret vote of the doctoral students within the doctoral school.

(3) The method of constitution of the DSP Council is provided in the UB Regulations.

(4) 2 doctoral students who have the same doctoral supervisor may not be part of the doctoral school council at the same time.

(5) The attributions, the manner of conducting the meetings and taking decisions of the DSP Council are those provided for in the UB Regulations.

Chapter III – The doctoral supervisor

Art. 8.

(1) Upon request, university professors or scientific researchers who have obtained the right to supervise doctoral studies before the entry into force of the Higher Education Law no. 199/2023, or are in possession of a recognized habilitation certificate, may become doctoral supervisors within the DSP.

(2) In order to obtain the affiliation as a doctoral supervisor at the DSP, the applicant must:

- (a) to specify the subfield in which he/she wishes to supervise doctoral theses, in accordance with the demonstrated scientific expertise.
- (b) to prove that he/she meets the minimum standards for habilitation in force provided by the Physics Commission of the National Council for the Attestation of University Titles, Diplomas and Certificates (CNATDCU) and the Hirsch index (in Web of Science) to be at least 20% higher than that provided by the Physics Commission of CNATDCU.
- (c) to prove that in the last 3 years it has published in ISI journals a number of at least 3 papers that can constitute starting points for doctoral theses and that it can ensure the access of the doctoral student to the necessary research infrastructure.
- (d) to prove the previous activity of scientific guidance and/or coordination, expressed through the coordination of a master's, bachelor's or doctoral thesis, or of a collective research project for which the applicant has the capacity of director or project manager.
- (e) not to have been sanctioned for deviations from professional ethics and deontology and not to be brought to the attention of the Ethics Commission of the University of Bucharest or other competent bodies as a result of notifications in this regard.

(3) The application for affiliation as a doctoral supervisor at the DSP will be analyzed by the DSP Council taking into account:

- (a) Correspondence with the existing human resources of the DSP. The affiliation of doctoral supervisors who:
 - (i) works in areas where the DSP does not have a sufficient number of affiliated leaders in relation to the potential number of doctoral students;
 - (ii) through their previous activity they have demonstrated the ability to guide and guide young researchers and/or students (e.g. by coordinating bachelor's theses, dissertation theses, research projects, or as a member of steering committees).
- (b) Prospects and priorities for the development of research in Physics. In this regard, the affiliation of doctoral supervisors working in fields with potential for development in Physics, which are likely to become attractive for doctoral students, will be encouraged.

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(4) If the DSP Council approves the application for affiliation, the applicant obtains the right to exercise the doctoral supervision within the DSP only after receiving the approval of the Council of the Faculty of Physics, of the CSUD and of the UB Senate.

(5) In exceptional, well-justified cases, a doctoral supervisor may be a member of two doctoral schools within the UB, provided that he/she has obtained habilitation in two specific fields or if one of these doctoral schools has a multidisciplinary character. The acquisition of the membership of the second doctoral school is conditioned by the prior agreement of the majority of the doctoral supervisors within it, by the opinion of the faculty council subordinated to the respective doctoral school and by the approval by the CSUD with the majority of its members, provided that the number of votes against is not more than 5. The doctoral supervisor can supervise doctoral students only in the fields for which he/she is qualified, except for theses under cotutelage.

(6) Doctoral supervisors who reach retirement age may continue the activity of doctoral supervisors, under the conditions of the Law, either under a fixed-term employment contract or on an hourly basis, including as emeritus professors. They retain their quality of doctoral supervisor and that of members of the DSP and can continue the guidance of the doctoral students they have, under the same conditions as the active full doctoral supervisors, until the end of their activity.

(7) In order to guide new doctoral students, doctoral supervisors who have reached retirement age must obtain the agreement of the DSP Council. In this case, the application for the management of new doctoral students, addressed to the director of the DSP, must be accompanied by proof of the possibility of access of the doctoral supervisor and the doctoral student to the research infrastructure.

(8) After reaching the retirement age, doctoral supervisors who no longer have doctoral students in coordination may retain their membership of the DSP for a determined period of 3 years, with the approval of the DSP Council and with the right of renewal. When granting the approval, the coordination activity of the doctoral supervisor and his/her scientific activity in the last 3 years will be taken into account. In particular, the doctoral supervisor must demonstrate that in the last 3 years she/he has published in ISI journals with Impact Factor works that can constitute starting points for doctoral theses.

(9) Doctoral supervisors who have not reached retirement age and do not have doctoral students in coordination shall retain their membership of the DSP for a fixed period of 4 years. After this period, the affiliation/membership of the DSP can be maintained for a fixed period of maximum 2 years, with the approval of the DSP Council and with the right of renewal. The granting of the approval shall be made taking into account the same criteria as those provided in para. (8). Doctoral supervisors with positions reserved under the law are exempted.

(10) Doctoral supervisors who are not tenured and no longer coordinate any doctoral student for 3 years are automatically withdrawn from their membership of the doctoral school. This

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quality can be regained by going through the procedure for applying for doctoral supervision at the UB again.

Art. 9.

(1) The membership of the DSP is withdrawn if the doctoral supervisor wishes to cease the management activity and submits a request in this regard addressed to the director of the SCDF by which he renounces the affiliation. If applicable, the DSP Council decides, in this situation, on the takeover of doctoral students by other doctoral supervisors, with their consent.

(2) The withdrawal of the membership of the DSP may also be initiated in the following cases:

- (a) the finding of serious deviations from academic ethics and deontology,
- (b) the definitive invalidation by the CNATDCU of two doctoral theses coordinated by the respective doctoral supervisor,
- (c) other situations provided for in the current legislation or in the Methodology regarding the monitoring, evaluation and quality assurance of doctoral studies in force at the level of the University of Bucharest.

(3) In any of the cases provided for in para. (2), following a referral or self-referral, the director of the DSP appoints a commission consisting of 2-3 doctoral supervisors, which analyzes the situation and prepares a report that will also contain tailor-made proposals.

(4) If the deeds of the doctoral supervisor who are enrolled in para. (2), letter (a) concerns one or more doctoral students, the commission will also include, with observer status, a doctoral student from the DSP Council.

(5) The proposals made by the analysis commission referred to in para. (3), which may go up to the sanction of withdrawal of the membership of the DSP, shall be communicated to the respective doctoral supervisors, who have the right to send to the doctoral school a reasoned response within a period of one week.

(6) The proposals for withdrawal of membership, for which no response was made or which are maintained even after the analysis of the response, shall then be discussed in the general assembly of doctoral supervisors, which shall approve them with the vote of the majority of the members of the DSP.

(7) The approved proposal of the analysis commission shall be submitted to the vote of the DSP Council and then submitted for approval by the management of the Faculty of Physics and approval by the CSUD.

Art. 10.

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(1) The rights and obligations of the doctoral supervisor are established by the doctoral study contract concluded between him/her, the doctoral student and the legal representative of the University of Bucharest.

(2) The rights of the doctoral supervisor include:

- (a) the right to guide and evaluate the activity of the doctoral student, in compliance with professional and academic autonomy;
- (b) the right to propose the Academic Guidance and Integrity Committee and the Public Defense Committee of the doctoral thesis;
- (c) the right to an impartial internal and external evaluation based on a methodology specific to the evaluation process, the content of which has been brought to the attention of all doctoral supervisors;
- (d) the right to know the results of the internal and external evaluation of one's own activity;
- (e) the right to refuse to declare a candidate admitted to the competition for admission to doctoral studies and to refuse to supervise the doctoral thesis on one of the topics proposed, if he/she considers that there are elements that do not allow the doctoral studies program to be carried out in good conditions;
- (f) the right to refuse to continue supervising a doctoral thesis, when it considers that there is or may arise a situation of conflict of interest and/or violation of legal and/or deontological norms;
- (g) the right to refuse to take over the guidance of a doctoral student from another doctoral supervisor, when he considers that there is or may arise a situation of conflict of interest and/ or violation of legal and/ or deontological norms;
- (h) the right to request the doctoral school to organize an admission competition for each vacant doctoral student position in its portfolio;
- (i) the right to decide the study elements within the training program based on advanced university studies in which the doctoral student must participate, in compliance with the rules established by the doctoral school.

(3) The obligations of the doctoral supervisor include:

- (a) to ensure the scientific, professional and deontological guidance of each doctoral student;
- (b) to provide assistance in the scientific research activity of the doctoral student;
- (c) to propose the research topics and to ensure that the doctoral students it leads have access to the databases and infrastructure necessary for the successful completion of the doctoral thesis;
- (d) to monitor and evaluate objectively and rigorously the activity of doctoral students;
- (e) to support the mobility of doctoral students;

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(f) to avoid conflicts of interest in the guidance of doctoral students.

(4) According to the UB Regulations as well as other legislative provisions, the doctoral supervisors affiliated to the DSP are subject to periodic evaluation (usually every 5 years), both from a professional point of view and from the coordination of doctoral students.

5. The periodic evaluation shall take into account the

(a) the fulfilment of the minimum membership standards at the date of the assessment

(b) the scientific activity sustained during the period evaluated

(c) the number of doctoral students in coordination and those who have successfully completed their doctoral thesis and obtained the title of Doctor of Physics during the evaluated period.

Art. 11.

(1) The number of doctoral students, in various stages of doctoral studies, who can be supervised simultaneously by a doctoral supervisor who is a member of the DSP is 8. Above this limit, starting with the academic year 2026-2027, but without being able to exceed the maximum number of 12 doctoral students for no more than 20% of the doctoral supervisors in a doctoral school, the prior approval of the DSP Council and the approval of the UB Senate are required.

(2) The maximum number of doctoral students who can be supervised simultaneously by a doctoral supervisor who is a member of the DSP, provided for in para. (9), may be exceeded only exceptionally and only for a fixed period. This situation may exist in the case of resumption of the doctoral program after interruption or of taking over the guidance of doctoral students from other doctoral supervisors. The approval of the DSP Council and the CSUD is required. The respective doctoral supervisor shall no longer call for new vacant doctoral student positions until the number of doctoral students supervised simultaneously falls below the maximum number provided for in para. (1).

(3) The following shall not be included in the number of doctoral students provided for in para. (1) and (2), on the date of the doctoral admission competition: doctoral students who are in interruption of activity; doctoral students who are in the period of postponement of the public submission of the doctoral thesis; doctoral students who have publicly defended the doctoral thesis, but have not yet been validated; doctoral students who redo or complete the thesis following failure to pass the public defense or invalidation; doctoral students in co-supervision / co-direction, for whom the doctoral supervisor does not have the main quality.

(4) A doctoral supervisor may simultaneously supervise no more than 4 postdoctoral researchers. The provisions of para. (1), (2) and (3) shall be applied accordingly.

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(5) The total cumulative maximum number of doctoral students and postdoctoral researchers who can be supervised simultaneously by a doctoral supervisor may not, under any circumstances, exceed 16.

(6) The doctoral supervisor is supported in his/her activity with the doctoral student by a steering and academic integrity committee. At least one member of this committee is from outside IOSUD. The members of the guidance and academic integrity committee cannot be nominated in the public defense committee of the doctoral thesis.

(7) The Commission for Academic Guidance and Integrity is proposed by the leader and is composed of three specialists, who have the title of doctor and the position of at least university lecturer/scientific researcher of the third degree. The doctoral supervisor may propose the change of the composition of the advisory and academic integrity committee during the doctoral student's doctoral internship, with the agreement of the DSP Council.

(8) The members of the steering committee shall have regular meetings with the doctoral student, with a frequency established by the doctoral supervisor, and shall approve the scientific research reports prepared by the doctoral student.

Art. 12.

(1) The teaching norm of a university professor, respectively of an associate professor, respectively of a university lecturer/head of works, who has the quality of doctoral supervisor, is established at 7, respectively 8 and 10 conventional hours, respectively.

(2) The regulation of the doctoral supervision shall be made for a maximum of 12 doctoral students, for the period of doctoral studies from enrollment to the public defense of the doctoral thesis, including for those in the extension of the doctoral program. Doctoral students who are not included in the maximum number of 12 doctoral students who can be supervised simultaneously are not regulated.

(3) The number of coordinated doctoral students envisaged at the standardization is the one on the first day of the academic year and is not influenced by the increase (by resuming the activity after the interruption, taking over from another doctoral supervisor, the activity of redoing or completing the doctoral thesis, etc.) or the decrease (by defending the doctoral thesis, interruption, expulsion, change of the doctoral supervisor, etc.) deaths, etc.) number of doctoral students during the academic year.

(4) Within the DSP, the doctoral supervision shall be regulated with 0.5 conventional hours/week for each doctoral student supervised, but not more than 12 doctoral students, regardless of the language in which the doctoral thesis is written. In the case of the co-supervision/co-directorate doctorate, the standardization is made only for the main doctoral supervisor.

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(5) Within the training program based on advanced university studies, it is regulated with 2.5 conventional hours per class hour, respectively with 1.5 conventional hours for seminar, laboratory and other similar hours, regardless of the language of instruction.

(6) In the case of postdoctoral supervision, the same rules as in the case of doctoral supervision shall be applied for standardization, and the activity may be regulated for the supervision of no more than 4 postdoctoral researchers.

Art. 13.

(1) The members of the doctoral students' guidance and academic integrity committees shall be remunerated cumulatively at the pre-defense of the doctoral thesis, in the amount of 16 conventional hours, but not more than 1000 lei.

(2) If a member of the Academic Guidance and Integrity Commission withdraws or is replaced at the proposal of the doctoral supervisor with the approval of the doctoral school council, he/she shall lose the due rights mentioned in para. (1). The newly appointed member of the Guidance and Academic Integrity Commission shall receive an amount calculated according to para. (1), proportional to the number of years in which he/she worked in the Guidance and Academic Integrity Commission.

(3) The members of the doctoral thesis public defense committee shall be remunerated in the hourly payment system, according to the norms and ceilings approved by the Administration Council. It is regulated as follows:

- (a) the chairman of the committee: 2 conventional hours for participation in the public hearing;
- (b) the doctoral supervisor: 15 conventional hours for the preparation of the report and participation in the public defense. In the case of the doctorate in co-supervision/co-direction, the rule applies to both doctoral supervisors;
- (c) official referees: 10 conventional hours for the preparation of the report and 2 conventional hours for participation in the public defense.

Chapter IV – The Doctoral Student

Art. 14.

(1) The person admitted to the doctorate has the quality of doctoral student for the entire duration of the doctoral studies cycle. This quality ceases upon the issuance of the decision to grant the doctoral degree or upon the issuance of the expulsion order. The doctoral student has

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the status provided by the Law, the Framework Regulation, the UB Regulation, the SCDF Regulation and the other norms adopted by the university, the faculty and the doctoral school.

(2) The rights and obligations of the doctoral student are established by the doctoral study contract concluded between him/her, the doctoral supervisor and the legal representative of the University of Bucharest.

(3) The doctoral student has the following rights provided by the legislation in force:

- (a) to benefit from the support, guidance and coordination of the doctoral supervisor;
- (b) to be represented in the decision-making forums of the doctoral school;
- (c) to enroll in courses and seminars organized by other doctoral schools, in compliance with the regulations established by them;
- (d) to be informed about the curriculum of doctoral studies within the doctoral school;
- (e) to participate in seminars, working meetings, lectures of the research staff within IOSUD, when topics relevant to the elaboration of the doctoral thesis are discussed;
- (f) to carry out research activities relevant to the doctoral study program together with teams of researchers from IOSUD or from research and development units that have concluded institutional agreements or partnerships with IOSUD-UB, in accordance with their internal rules;
- (g) to be co-opted in the research project teams within IOSUD-UB that carry out activities relevant to the subject of the doctoral thesis;
- (h) to benefit from national or international mobility;
- (i) to benefit from institutional support for participation in international conferences, congresses, summer/winter schools in the chosen field of the doctoral thesis, in accordance with the UB Methodology on encouraging the research performance of doctoral students;
- (j) to benefit from support services for students, existing at the level of IOSUD-UB, including accommodation and canteen;
- (k) to apply for support in accordance with the Methodology for Granting Scholarships and Other Forms of Support approved at UB level.

(4) The doctoral student has the following obligations provided by the legislation in force:

- (a) to comply with the program and deadlines established together with the doctoral supervisor and to fulfill their obligations to support the research papers and results;
- (b) to be in permanent contact with the doctoral supervisor and to comply with the institutional discipline;
- (c) to comply with the principles of ethics and academic integrity, the norms of academic integrity, during the doctoral studies and the elaboration of the doctoral thesis.

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- (d) to publish the results of the scientific research activity obtained during the doctoral studies, within the terms and conditions of the individual training plan and the DSP standards, and in accordance with the CNATDCU minimum standards for granting the title of Doctor in Physics. All articles published by the doctoral student in connection with the doctoral thesis must mention the institutional affiliation to the University of Bucharest, Faculty of Physics, DSP.
 - (e) to carry out the mandatory activities proposed by the CSUD and approved by the Senate, detailed in the following paragraphs.
- (5)** The compulsory activities of doctoral students during the four years of doctoral studies, both for those enrolled in full-time education and for those enrolled in part-time education, are:
- (a) Participation in at least two international conferences with an oral or poster communication, in an international language as follows:
 - two abroad, for students enrolled in full-time education;
 - at least one abroad, for those in part-time education.
 - (b) Participation in at least one national conference organized outside the UB, with an oral communication.
 - (c) Presentation of the results of the doctoral thesis at at least one conference of the doctoral school.
 - (d) Participation in a training session for writing scientific projects, managing research projects and attracting financial resources, organized at UB level, at national or European level.
 - (e) Participation in the public defenses of doctoral and habilitation theses in the UB that can be considered as examples of good practice, at least 4 public defenses over the 4 years.
- (6)** In addition to the 5 mandatory activities listed above in para. (5), at the recommendation of the doctoral supervisor and depending on the specificity of the doctoral field, the doctoral students enrolled in the full-time education form will choose 5 other mandatory activities from the list below, and those enrolled in the part-time education form will choose 2 other mandatory activities from the same list:
- (a) Participation in at least one training session for writing scientific articles organized at UB, national or international level.
 - (b) Participation in scientific events/debates on research topics organized at the level of doctoral schools, faculties, UB, ICUB, having as guests established/recognized researchers, in the field of doctoral thesis, as well as in the official sessions of awarding the titles of Doctor Honoris Causa by the UB.
 - (c) Attendance at courses, seminars, exams, evaluations held by the doctoral supervisor in bachelor's or master's programs, at least one activity per academic year.

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- (d) Participation in a summer school in the country or abroad in the field of the doctoral thesis.
 - (e) Participation in at least one training session in the field of scientific research ethics, organized at the UB level.
 - (f) Participation in at least one orientation, counseling, coaching program for the career of scientific researcher offered at institutional level.
 - (g) To expose the information to the general public and to popularize in the public session, within the activities on the promotion of science by the UB, the recent achievements at international level in the field in which the doctoral thesis is elaborated.
 - (h) Participation in organizing committees of summer schools, conferences, scientific communication sessions, science promotion actions, organization of scientific seminars, hands-on learning workshops.
 - (i) Involvement on topics related to the doctoral thesis in international scientific collaboration networks, from CIVIS or from other networks in the country or abroad, indicated by the doctoral supervisor.
 - (j) Involvement in a volunteer activity (e.g. involvement in the monitoring and management of the websites of doctoral schools, social media channels (Facebook, Instagram, etc.) in the faculty committees for supervision or granting of scholarships, other events of institutional or social interest).
- (7) The doctoral students enrolled in the full-time education form shall present in the monthly reports in a section dedicated to the compulsory activities, a description of them in the month of completion, which shall include proof of participation/involvement (attendance list, certificate, from the organizers, etc.) endorsed by the doctoral supervisor.
- (8) The doctoral students enrolled in the part-time education form shall prepare a semester report, which, in addition to the section dedicated to the research activity, shall contain a section dedicated to the compulsory activities, with a description of them and the indication of the periods when they were carried out, which shall include proof of participation/involvement (attendance list, certificate, from the organizers, etc.) endorsed by the doctoral supervisor.
- (9) At least half of the compulsory activities shall be carried out in the first three years of the doctoral degree program. Every six months, the directors of the doctoral schools will submit a report to the CSUD on the status of the mandatory activities for each doctoral student. The procedure for completing the doctoral studies will be initiated only after the completion of the mandatory activities in the chosen portfolio.
- (10) The compulsory activities of doctoral students shall be included in the doctoral study contract that is concluded with each doctoral student and is signed by the doctoral student, the doctoral supervisor and the legal representative of IOSUD. For doctoral students enrolled in previous years, a number of mandatory activities will be fixed by an addendum to the concluded

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doctoral study contract, a number of mandatory activities proportional to the number of years remaining in the doctoral program, at least 2 activities per year.

Art. 15.

(1) In case of conflict situations between the doctoral student and his/her supervisor, the Director of the DSP shall initiate the mediation procedure, inviting the parties involved to discussions, including in the presence of the members of the Faculty Council. Both the doctoral supervisor and the doctoral student will respect the decision of the DSP Council on how to resolve the conflict.

(2) If the mediation procedure is not satisfactorily completed, at the reasoned request of the doctoral student, the council of the doctoral school may decide to change the doctoral supervisor, if the non-fulfillment of the legal or contractual obligations assumed by the latter has been ascertained, for reasons related to the guidance relationship between the doctoral supervisor and the doctoral student or if the unavailability of the doctoral supervisor is ascertained. Within a maximum of 30 days, the DSP Council designates, with the approval of the director of the doctoral school and the management of the UB, another doctoral supervisor within the same field specified in the study contract, having as priority the possibility that the doctoral student can complete the doctoral program.

(3) With the change of the doctoral supervisor, it is also possible to change the direction of study as well as the academic orientation and integrity committee. In the event that the doctoral student changes the direction of study, the grades and grades already obtained within the doctoral study program may be equated, with the agreement of the new doctoral supervisor and the coordinator of the new direction.

(4) If no available doctoral supervisor is identified, IOSUD-UB shall take steps to facilitate the academic mobility of the doctoral student within the same field but at another IOSUD.

Art. 16.

(1) The public defense of the doctoral thesis represents the exam for the completion of the doctoral studies. For the writing of the doctoral thesis, it is encouraged to use the models in LaTeX or Word format, which can be found on the website of the DSP https://www.fizica.unibuc.ro/Doctorat/Studenti/Instructiuni_redactare/

(2) The stages regarding the submission and defense of the doctoral thesis are elaborated by the CSUD and are made public on the website of both the UB and the DSP.

(3) In order to ensure the quality standards, the DSP imposes the obligation to verify the fulfillment of the publication requirements provided in the study contract and the minimum standards of the Physics Commission of the CNATDCU for the award of the doctoral title at the time of the pre-defense in the staff of the guidance and academic integrity commission.

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(4) The doctoral student has the obligation to take into account in the final version of the thesis the critical observations/suggestions made during the pre-defense before the guidance and academic integrity committee.

(5) The defense of the doctoral thesis in a public meeting shall take place in front of the public defense committee, after going through the internal procedure for the completion of the doctoral studies. The date for the public defense of the doctoral thesis can take place only after the favorable evaluation of the doctoral thesis by all the members of the committee.

(6) The president of the public defense commission may be the Coordinator of the direction of studies in which the doctoral student, the Director of the Faculty of Physics or the Dean of the Faculty of Physics has been enrolled, if the latter is a member of the Faculty of Physics.

(7) The members of the public defense commission must be specialists in the field in which the doctoral thesis was elaborated, have the title of doctor and the position of at least associate professor or scientific researcher of the second degree, or have the quality of doctoral supervisor, in the country or abroad. At most one of the three official referees who are members of the public defense commission can be a university professor or scientific researcher of IOSUD-UB. As official referees, specialists from advanced research universities in the country or abroad, from the member universities of the "Universitaria" Consortium, from the national research and development institutes in the field, or from the Romanian Academy will be proposed.

(8) The DSP encourages the writing of doctoral theses in English.

(9) The pre-defenses before the Academic Integrity and Guidance Committee, as well as the public defenses of the doctoral theses will take place within the Faculty of Physics of the University of Bucharest, regardless of the place of work of the doctoral supervisor and the doctoral student.

(10) IOSUD-UB issues the decision to award the doctoral degree signed by the Rector, prepares and issues the doctoral degree within 30 calendar days from the receipt of the assent from CNATDCU regarding the compliance with the administrative procedure carried out at the level of IOSUD-UB.

Chapter VII – Admission to doctoral studies

Art.17.

(1) A candidate for the position of doctoral student will be declared admitted to the doctoral studies in the field of Physics, organized within the UB, after going through the selection

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process for the vacant positions of doctoral student established by the doctoral supervisors within the DSP, proposed for occupation during the admission sessions.

(2) The organization and conduct of the admission contest for doctoral studies in the field of Physics shall be made according to a regulation of the DSP, elaborated annually in accordance with the Regulation on the organization and conduct of the admission contest for doctoral studies in the UB. The Regulations for admission to doctoral studies of the DSP are developed by the DSP Council and validated by the CSUD.

(3) The selection of the candidate for a vacant position of doctoral student is made by the DSP following an admission competition, carried out in compliance with the following stages:

- (a) registration of candidates;
- (b) the selection process of candidates for places funded by doctoral grants and fee-paying places;
- (c) the distribution of candidates on the places financed from the state budget by doctoral grants and on those with fee;
- (d) posting the results of admission and solving appeals.

(4) The doctoral admission competition shall be held at the Faculty of Physics, in the field of Physics, in the presence of the doctoral supervisor.

(5) If the doctoral supervisor is not part of the doctoral admission committee, he/she will be asked to agree to the coordination of the candidate in order to fill the vacant position of doctoral student. Its agreement must be formulated in writing and sent to the management of the doctoral school. In the absence of agreement, the commission will recommend the candidate to collaborate with another doctoral supervisor who has open the vacant position of doctoral student, with a close scientific theme. The candidate who does not receive the consent of any doctoral supervisor until the completion of the competition procedure will be declared rejected.

(6) The admission competition may be held physically or by videoconference, in compliance with the legal provisions. In the latter case, it is mandatory to make an audio-video recording of the admission competition, which is archived together with the other admission documents.

(7) The ranking of the candidates who presented themselves for admission shall be made in descending order of the admission average, in order to occupy the places from the budget and respectively with fee previously allocated by the CSUD, and shall be carried out by the admission commission based on the DSP's own Admission Regulations.

(8) The allocation of places financed by doctoral grants from the state budget shall be made by the competition commission by classifying all candidates in a doctoral field on a single list.

(9) In case of equal averages, the selection of candidates will be made on the basis of the criteria provided in the DSP's own admission regulations.

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(10) The single list includes all candidates declared admitted, specifying whether they are admitted on places financed from the budget or on places with tuition, and depending on their options.

Chapter VII - Final and Transitional Provisions

Art. 22.

(1) This Regulation was adopted by the DSP Council on 5.04.2025 and endorsed by the doctoral supervisors who are members of the DSP.

(2) The DSP Regulation was endorsed by the Council of the Faculty of Physics, approved by the CSUD, and enters into force 3 days after its posting on the official website of the DSP, <https://www.fizica.unibuc.ro/Doctorat/Studenti/Regulamente/>

Dean

Prof. univ. dr. Lucian ION

Director of the Doctoral School

Prof. univ. Daniela DRAGOMAN