



External Evaluation Report
Doctoral Study
Domain Biology
University of Oradea

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I. Introduction¹

In this Report, in the position of international Expert Evaluator invited by Romanian Agency for Quality Assurance in Higher Education (ARACIS), I present my opinion about the Doctoral studies/domain Biology which operates as a part of IOSUD University of Oradea.

The process of periodical external evaluation or accreditation, as appropriate, for doctoral university studies, is carried out by ARACIS, under the provisions of the Government Emergency Ordinance no. 75/2005 on Quality Assurance of Education, approved with amendments and additions by Law No 87/2006, as amended and supplemented subsequently.

Context:

The External evaluation of the Doctoral School of Biomedical Sciences- domain BIOLOGY was performed by Romanian Agency for Quality Assurance in Higher Education (ARACIS), in a hybrid mode, from 15-22 November 2021, with the following Panel of experts

Coordinator

Prof. Gorgan Dragoș Lucian
Universitatea "Alexandru Ioan Cuza" Iași

International expert

Prof. Dr. Zhushi-Etemi Ferdije
University of Prishtina, Kosovo

PhD student

Bîngă Alexandra
University of Bucurest

During all the preparatory stage for External evaluation of IOSUD University of Oradea/ domain Biology, I was in a regular contact with Ms.Bianca Mitea who informed me about the ARACIS' procedures of external evaluation as well as about

¹ Each time when applicable the information shall be presented genderwise

² Each time when applicable the information shall be presented genderwise

³ The indicators marked with an asterisk (*) hold a special status, referring exclusively to the evaluation of doctoral studies domains, as per Article 12 from the annex No.1 of the Order of the minister of education No. 3651/12.04.2021 approving the Methodology for evaluating university doctoral studies and the system of criteria, standards and performance indicators used in the evaluation. In case they are not met, the Agency extends a period of maximum 3 years to IOSUD to correct the



the List of critical performance indicators for the periodical external evaluation of Doctoral program/domain Biology. The following documents were sent to me in order to perform my task as an International expert:

- The List with names and contact addresses of Panel members for IOSUD and doctoral schools/domains
- The Guidelines for Periodical External Evaluation of the Institution Organising Doctoral Study Programs (IOSUD), respectively of the Doctoral study domains;
- Recommendations for activities carried out during the experts' panel visit for the evaluation of an institution organizing doctoral study programs (IOSUD)
- Structure of the internal evaluation report of an institution organizing doctoral study programs (IOSUD)
- List of the domains, criteria, standards, performance indicators and List of critical performance indicators for the periodical external evaluation of IOSUD
- Code of ethics and rules of conduct
- Higher Education and Quality Assurance systems in Romania
- Credencials for acces ARACIS cloud where the Internal Evaluation report and Annexes were uploaded
- The timetable of the institutional evaluation visit - IOSUD / doctoral study domains at the University Oradea The evaluation period: 15.11.2021 – 22.11.2021
- Online meetings as scheduled by ARACIS

1.3. A brief overview of the institution and programme under evaluation

The University of Oradea (UO) is defined as a higher education institution located on the western border of Romania, having a decisive role in the socio-economic and cultural development of the geographical area where it operates. Currently, within the University of Oradea there are 7 Doctoral Schools within the structure of the faculties that manage 18 doctoral fields, as follows:

- Doctoral School of Humanities and Arts - doctoral fields Philology and Theology, within the Faculty of Letters;
- Doctoral School of Geography - doctoral field Geography, within the Faculty of Geography, Tourism and Sports;



- Doctoral School of History - the doctoral field of History, within the Faculty of History, International Relations, Political Sciences and Communication Sciences;
- Doctoral School of Sociology - doctoral field of Sociology, within the Faculty of SocioHuman Sciences;
- Doctoral School of Biomedical Sciences - doctoral fields of Biology, Pharmacy and Medicine, within the Faculty of Medicine and Pharmacy;
- Doctoral School of Economic Sciences - doctoral fields Business Administration, Economics and Finance, within the Faculty of Economic Sciences;
- Doctoral School of Engineering Sciences - doctoral fields Agronomy, Electrical Engineering, Electronic Engineering, Telecommunications and Information Technologies, Energy Engineering, Industrial Engineering, Engineering and Management and Mathematics, within the Faculty of Managerial and Technological Engineering.

According to Internal Evaluation Report(IER) the actual number of doctoral students is 565.

Doctoral program in the field of Biology operates under the Doctoral School of Biomedical Sciences.

The Biomedical Sciences Doctoral School (SD) operates under this name starting with the academic year 2011-2012. It offers doctoral programs in three fields: Medicine, established in 1994, Biology, established in 1995 and Pharmacy, established in 2018.

The Biology doctoral field has the mission of generating and transferring knowledge to society through:

- academic training, at the highest level of performance, of the doctoral student in order to satisfy the need for his intellectual, professional, and social development, but also the need for specialized workforce of the society; promoting excellence in the processes of scientific research, development, innovation, and knowledge transfer to the Romanian society, thus responding to the need for its progress.

The total number of doctoral students in the Doctoral School of Biomedical Sciences in academic year 2020/21 is 295, out of them 241 are in the doctoral field Medicine, 21 in Biology and 33 in Pharmacy.

II. Methods used



To compile the External Evaluation Report following information is used:

- The analysis of the internal evaluation report of the IOSUD and its Annexes;
- The analysis of documents made available by the IOSUD, in physical format, during the evaluation visit (if such documents have been requested) provided to the coordinator of the External Evaluation team, Prof. Gorgan.
- The analysis of documents, data and information available on the IOSUD/Doctoral School(s) website, in electronic format;
- Information provided by the coordinator of EET, who was in the site visit to the university, respectively to the Biomedical Sciences Doctoral school. Visiting the buildings included in the institution's property, comprising (indicative and non-exhaustive list, which shall be changed according to the context):
 - classrooms;
 - laboratories;
 - the institution's library;
 - research centers;
 - the Career Counselling and Guidance Center;
 - lecture halls for students;
 - the student residences;
 - the student cafeteria;
 - sports ground etc.;
- Meeting/discussions with doctoral students in the IOSUD;
- Meeting/Discussions with the graduates of the IOSUD;
- Meeting/Discussions with employers of the graduates of the IOSUD;
- Meeting/Discussions with the school officials of the IOSUD;
- Meeting/Discussions with the Doctoral advisors affiliated to the IOSUD;
- Meeting/discussions with the representatives of the various structures of the IOSUD/Doctoral School/Doctoral Schools in which the doctoral study domain under review is operating: Doctoral School of Biomedical Sciences - doctoral fields of Biology
 - Meeting the Council of the University Doctoral Studies (CSUD) The Council of the Doctoral School(s) (CSD) , the University Senate, the Board of Directors, the Quality Assessment and Assurance Commission, the Quality Assurance Department, the Ethics Commission (including with the student representatives of these structures);
 - various departments/administrative offices (Social/Student residences-Cafeterias etc.);
 - Application of questionnaires to doctoral students or academic staff affiliated to the IOSUD.
 - Additional documents provided during the on site visit at the university to the coordinator of the EET

III. Analysis of ARACIS's performance indicators²

Domain A. INSTITUTIONAL CAPACITY

Criterion A.1. The administrative, managerial institutional structures and the financial resources

**general description of domain analysis.*

Standard A.1.1. The institution organizing doctoral studies (IOSUD) has implemented the effective functioning mechanisms provided for in the specific legislation on the organization of doctoral studies.

- *general description of the standard analysis.*

Performance Indicator A.1.1.1. The existence of specific regulations and their application at the level of the IOSUD, respectively at the Doctoral School(s):

(a) the internal regulations of the administrative structures (the institutional regulations for the organization and conduct of doctoral studies programs, the regulation(s) of Doctoral School(s);

(b) the Methodology for conducting elections at the level of the Council of University Doctoral Studies (CSUD), respectively at Doctoral School(s) including elections by the students of their representatives in CSUD/Council of the Doctoral School (CSD) and the evidence of their conduct;

c) the Methodologies for organizing and conducting doctoral studies for the admission of doctoral students, for the completion of doctoral studies);

d) the existence of mechanisms for recognizing the status of a Doctoral advisor and the equivalence of the doctoral degree obtained abroad;

e) functional management structures CSUD/Council of the Doctoral School with evidence of the regularity of meetings;

f) the contract for doctoral studies;

g) internal procedures for the analysis and approval of proposals about doctoral study programs based on advanced academic studies.

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself.*
- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself.*

² Each time when applicable the information shall be presented genderwise

At the level of IOSUD-University of Oradea, there are specific regulations for the organization and development of doctoral studies. These regulations are developed in accordance with the provisions of national legislation and are applied at both the level of IOSUD and doctoral schools. All these documents are published on the website of the University of Oradea and are easy accessible (<https://doctorat.uoradea.ro/ro/document/reglarmente>).

Regulation on the organization and conduct of doctoral studies and postdoctoral programs at IOSUD_UO, was adopted by the Decision of the University Senate number 14 of 28.01.2021, is available on the website of IOSUD (<https://www.uoradea.ro/display22980>),

Also the Regulation of organization and development of doctoral university studies at the level of the Doctoral School of Biomedical Sciences, adopted by CSUD Decisio, is available on the website of Doctoral School of Biomedical Sciences (<https://doctorat.uoradea.ro/ro/documente/reglementari/reglementari-interne>)

The university under evaluation has also presented other regulations and documents relevant to this standard: The methodology for organizing the elections and appointing the members of the Council and the director of the Doctoral School; The documents proving the conduct of the elections of the Doctoral Schools Councils and the elections of the Directors of the Doctoral Schools, beside being provided as Annex II.A.2, it was discussed and explained during the online meeting with the Council of Doctoral Studies, a student member in this council as well as with Director and members of the Doctoral Schools Council of Biomedical Sciences.

The methodology for organizing and conducting the competition for admission to doctoral studies, the admission methodologies of the Doctoral Schools, the existence of mechanisms for recognizing the status of a Doctoral advisor and the equivalence of the doctoral degree obtained abroad as well as the Internal procedure for analysis and approval of proposals on the topic of doctoral university study programs were presented to the External evaluation team.

Based on the discussions from the online meetings with the UO rector, Council of doctoral School and Doctoral School of Biomedical Sciences Council, analysis of the documents and the facts provided by the institution, this performance indicator is considered to be fulfilled.

The indicator is fulfilled.

Performance Indicator A.1.1.2. The doctoral school' Regulation includes mandatory criteria, procedures and standards binding on the aspects specified in Article 17, paragraph (5) of the Government Decision No. 681/2011 on the approval of the Code of Doctoral Studies with subsequent amendments and additions.



The Regulations of the Doctoral School of Biomedical Sciences within IOSUD University of Oradea include criteria, procedures, and mandatory standards for the aspects specified in art.17, par. 5 of GD 681/2011 regarding the approval of the Code of doctoral studies. with subsequent amendments and additions.

The External evaluation team had a meeting with Ethic Commission of UO who explained its role and duties, and specifically emphasized their engagement to prevent the fraud in scientific research, including plagiarism, procedures that are regulated in the Code of Ethics and University Ethics of the University of Oradea (<https://www.uoradea.ro/display23004>)

Based on the informations obtained during the online meeting with UO rector, Concil of Doctoral studies, Ethics Commission and Doctoral School of Biomedical Sciences Council, and analyses of the documents in disposal, it is considered that this indicator is fulfilled.

Recommendations:

It is recommended the Code of Ethics and University Ethics of the University of Oradea to include a section on the Ethical guidelines for the protection of Human and animals used in Scientific Research.

The indicator is fulfilled.

Standard A.1.2. The IOSUD has the logistical resources necessary to carry out the doctoral studies' mission.

- *general description of the standard analysis.*

Performance Indicator A.1.2.1. *The existence and effectiveness of an appropriate IT system to keep track of doctoral students and their academic background.*

At the level of the University and IOSUD the Uniweb platform is used, which provides the module management, monitoring and computerization of students, including doctoral students. This platform is also used as a mechanisms to verify PhD students enrolled at IOSUD_UO in the form of education without tuition, funded from the budget for the maximum duration of a doctoral study cycle (3-4 years).The security of the platform is based on the access through a user and password, with limited validity term.

The indicator is fulfilled

Performance Indicator A.1.2.2. *The existence and use of a software program and evidence of its use to verify the percentage of similarity in all doctoral theses.*

IOSUD The University of Oradea uses on a contract basis the anti-plagiarism system provided by SC SISTEM ANTIPLAGIAT PRIN INTERNET SRL through the online platform <https://www.sistemantiplagiat.ro>.



This system is included in the MNCS Order no. 3485/2016 - the list of programs recognized by CNATDCU and used at the level of higher education institutions organizing doctoral university studies and of the Romanian Academy, in order to establish the degree of similarity.

The indicator is fulfilled.

Standard A.1.3. The IOSUD makes sure that financial resources are used optimally, and the revenues obtained from doctoral studies are supplemented through additional funding besides governmental funding.

general description of the standard analysis.

Performance Indicator A.1.3.1. Existence of at least one research or institutional / human resources development grant under implementation at the time of submission of the internal evaluation file, per doctoral study domain under evaluation, or existence of at least 2 research or institutional development / human resources grant for the doctoral study domain, obtained by doctoral thesis advisors operating in the evaluated domain within the past 5 years. The grants address relevant themes for the respective domain and, as a rule, are engaging doctoral students.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

Based on the provided documents, the data for the period 2016-2020 show that within the evaluated doctoral field, a total of 4 grants were obtained by doctoral theses advisors at the study domain Biology, out of them 3 research grants, 0 institutional development grants, and one human resources grants were developed or are in progress, therefore the number of implemented grants meet the criteria specified in this indicator.

The indicator is fulfilled.

Performance Indicator *A.1.3.2. The percentage of doctoral students active at the time of the evaluation, who for at least six months receive additional funding sources besides government funding, through scholarships awarded by individual persons or by legal entities, or who are financially supported through research or institutional / human resources development grants is not less than 20%.

Based on the data provided in the Internal evaluation Report, within the field of doctoral studies Biology are found at the time of preparation of the Internal Evaluation Report a total number of 7 Biology doctoral students. The number of

doctoral students who have benefited/benefit from other sources of funding, for a period of at least six months, is five, which is more than 50%.

The indicator is fulfilled.

Performance Indicator *A.1.3.3.³ *At least 10% of the total amount of doctoral grants obtained by the university through institutional contracts and of tuition fees collected from the doctoral students enrolled in the paid tuition system is used to reimburse professional training expenses of doctoral students (attending conferences, summer schools, training, programs abroad, publication of specialty papers or other specific forms of dissemination etc.).*

After the additional information was required from the doctoral school, it is explained that beside the amounts of money presented for financing doctoral school students activities(field work,materials for the research, expences planned for travle,etc.) the IOSUD used the money from doctoral grants for buying the Anelis plus program, which enables the doctoral students free access to a platform with relevant academic database for the fields of organized doctoral studies. Therefore, the total amount used to reimburse students for professional training expenses of doctoral students is calculated to be 14,25%.

The indicator is fulfilled.

Criterion A.2. Research infrastructure

Standard A.2.1. The IOSUD/doctoral schools have a modern research infrastructure to support the conduct of doctoral studies' specific activities.

- *general description of the standard analysis.*

Performance Indicator A.2.1.1. *The IOSUD/the doctoral school(s) present proof of possessing or having rented adequate spaces for research activity specific to doctoral studies (laboratories, experimental fields, research stations etc.)*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself.*
- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself.*

The member of EET who visited the research facilities at the Biomedical Sciences Doctoral School/ Domain biology was impressed with the space, laboratories, equipment and supporting services in disposal of the doctoral students in the domain

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Biology. The modern research infrastructure that includes 9 research laboratories, one research centre (Applied Natural Sciences Research Center), and three rooms, fully supports the development of activities specific to doctoral studies in Biology. In addition to this, students have access to UO Library - headquarters, with a total area of 7,800 sqm on the 5 levels of the building, of which: 5 reading rooms, with an area of 2,389.80 sqm; 5 warehouses, with an area of 994.21sqm; a total of over 347,200 publications (books, journals, doctoral theses, STAS, patents, CDs, DVDs, phonographic discs, posters) introduced in the Liberty5 library program.

To support the students free access to the research publication databasis, the UOSUD-UO contracted and is implementing the ANELIS Plus program through which program the entire academic community has free access to the following databases: Web of Science, Scopus, ProQuest, SpringerLink Journals, ScienceDirect Freedom Collection.

The research infrastructure and the provision of research services are presented to the public through specific online (website) platforms.

Based on the factual situation and the documents provided it is considered that this indicator is fulfilled.

The indicator is fulfilled.

Performance Indicator A.2.1.2. *The IOSUD/doctoral school(s) has/have collaboration agreements with higher education institutions, research institutes, research networks for joint partnerships and have access for using various research infrastructures; the offer for research services is presented publicly using a dedicated platform.*

A list with 9 institutions with which the Doctoral school has cooperation is provided and includes 6 Hospitals and medical centers, University of Arad, one Natural park and one National park. The supervisors at the PhD domain Biology during the online meeting mentioned the collaboration with National park and Park of Nature during the conduction of the research in the disciplines in the biology as well as during the field work with PhD students.

The indicator is fulfilled.

Criterion A.3. Quality of Human Resource

Standard A.3.1. *At the level of each Doctoral School there are sufficient qualified staff to ensure a quality educational process.*

- *general description of the standard analysis.*

Performance Indicator A.3.1.1. *Minimum three doctoral thesis advisors within that doctoral domain, and at least 50% of them (but no less than three) meet the*

minimum standards of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU)) in force at the time when the evaluation is carried out, which standards are required and mandatory for obtaining the enabling certification.

In the IER as well as during the online meeting with accademic staff in the PhD domain Biology it is confirmed that at the moment of evaluation there are 4 doctoral thesis advisors that meet the minimum standards of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU). Indeed, there are 3 active supervisors due to the fact provided during the online meetings with doctoral theses supervisors that the fourth supervisor reported in the Internal Evaluation Report, Prof. Burescu, already has retired.

The indicator is fulfilled.

Performance Indicator *A.3.1.2.. At least 50% of all doctoral advisors have a full-time employment contract for an indefinite period with the IOSUD.

Based on the information provided in the documents, the number of 2 doctoral supervisors out of a total number of 3 doctoral supervisors have a full-time employment contract, which means a percentage of 50% is fulfilled.

Recommendation: Only two, out of three supervisors in the doctoral program in the domain Biology are employed on a permanent contract of employment. In order to increase the number of thesis supervisors in this domain, the UO should motivate and financially support the research activities of the academic staff and their publications in WoS, Scopus, BDI and other relevant platforms, as specified in the national legislation.

The indicator is fulfilled.

Performance Indicator A.3.1.3. The study subjects in the education program based on advanced higher education studies pertaining to the doctoral domain are taught by teaching staff or researchers who are doctoral thesis advisors / certified doctoral thesis advisors, professors / CS I or lecturer / CS II, with proved expertise in the field of the study subjects they teach, or other specialists in the field who meet the standards established by the institution in relation with the aforementioned teaching and research functions, as provided by the law.

The disciplines in the training program based on advanced university studies related to the field are supported by teachers or researchers who have the quality of

doctoral/qualified supervisor, professor or associate professor with proven expertise in the field of taught subjects or, in exceptional cases, other tenured teachers or specialists from outside higher education and research systems.

The indicator is fulfilled.

Performance Indicator* A.3.1.4. *The share of Doctoral advisors coordinating simultaneously more than 8 doctoral students but not more than 12 during their doctoral studies⁴ does not exceed 20%.*

Based on the informations provided in IER and information obtained during the online meeting with the academic staff of the PhD domain Biology, out of the total of 3 doctoral supervisors in the field Biology none have more than 8 doctoral students in internship and extension (cf. art. 39 para. 3 GD 681/2011) but not more than 12, which represents 0% of the total number of doctoral supervisors.

The indicator is fulfilled.

Standard A.3.2. The Doctoral advisors within the domain are carrying out a scientific activity visible at international level.

**general description of the standard analysis.*

Performance Indicator A.3.2.1. *At least 50% of the doctoral thesis advisors in the evaluated domain have at least 5 Web of Science- or ERIH-indexed publications in magazines of impact, or other achievements of relevant significance for that domain, including international-level contributions that indicate progress in scientific research development - innovation for the evaluated domain. The aforementioned doctoral thesis advisors enjoy international awareness within the past five years, consisting of: membership on scientific boards of international publications and conferences; membership on boards of international professional associations; guests in conferences or expert groups working abroad, or membership on doctoral defense commissions at universities abroad or co-leading with universities abroad. For Arts and Sports and Physical Education Sciences, doctoral thesis advisors shall prove their international visibility within the past five years by their membership on the boards of professional associations, membership in organizing committees of arts events and international competitions, membership on juries or umpire teams in artistic events or international competitions.*

⁴ 3 years for the doctoral university studies with the duration stipulated at Article 159, paragraph (3), respectively 4 years for the doctoral university studies with the duration stipulated at Article 174, paragraph (3) of the Law of national education No.1/2011 with subsequent amendments and additions, with additional extension periods approved as per Article 39, paragraph (3) of the Code of doctoral studies approved by the GD No. 681/2011 with subsequent amendments and additions.



Within the evaluated doctoral field, 3 doctoral supervisors, meaning 100% of them, prove five publications indexed in Web of Science or ERIH and all 3 doctoral supervisors prove at least 2 mentions that highlight the international visibility they enjoy. Beside this, the doctoral thesis advisors enjoy international awareness within the past five years, in different positions: membership on scientific boards of international publications and conferences; membership on doctoral defense commissions at universities abroad, invited speakers, members on boards of international professional associations.

The indicator is fulfilled.

Performance Indicator *A.3.2.2. *At least 50% of the doctoral thesis advisors in a specific doctoral study domain continue to be active in their scientific field, and acquire at least 25% of the score requested by the minimal CNATDCU standards in force at the time of the evaluation, which are required and mandatory for acquiring their enabling certificate, based on their scientific results within the past five years.*

A centralizing table with the score achieved by the doctoral supervisors between 2016 and 2020 in the Doctoral Field Biology is presented and shows the Minimum Standards Compliance Sheets with the scientific results from the last 5 years of the doctoral supervisors in the doctoral field Biology.

This indicator is met by 3 doctoral supervisors, which means 100% of the total number of doctoral supervisors in the field.

The indicator is fulfilled.

Domain B. EDUCATIONAL EFFECTIVENESS

- *general description of the domain analysis.*

Criterion B.1. The number, quality and diversity of candidates enrolled for the admission contest

Standard B.1.1. The institution organizing doctoral studies has the capacity to attract candidates from outside the higher education institution or a number of candidates exceeding the number of seats available. general description of the standard analysis.

Performance Indicator * B.1.1.1. *The ratio between the number of graduates of masters' programs of other higher education institutions, national or foreign, who have enrolled for the doctoral admission contest within the past five years and the number of seats funded by the state budget, put out through contest within the doctoral domain is at least 0.2 or the ratio between the number of candidates within*

the past five years and the number of seats funded by the state budget put out through contest within the doctoral studies domain is at least 1,2.

The information provided shows the number of master's degree graduates of other higher education institutions in the country or abroad who have registered for the admission competition for doctoral studies and the number of places financed from the state budget put up for competition at the admissions 2015- 2019 for the evaluated doctoral field is $9/2 = 4,5$.

The indicator is fulfilled.

Standard B.1.2 Candidates admitted to doctoral studies demonstrate academic, research and professional performance.

**general description of the standard analysis.*

Performance Indicator *B.1.2.1. Admission to doctoral study programs is based on selection criteria including: previous academic, research and professional performance, their interest for scientific or arts/sports research, publications in the domain and a proposal for a research subject. Interviewing the candidate is compulsory, as part of the admission procedure.

According to the information in IER and additional documents provided, admission to doctoral study programs is based on selection criteria that include: the academic, research, and professional performance of the candidates, their interest in scientific or artistic/sports research, publications in the field and a research topic proposal. An interview with the applicant is a mandatory part of the admission procedure.

The indicator is fulfilled.

Performance Indicator B.1.2.2. The expelling rate, including renouncement / dropping out of doctoral students 3, respectively 4, years after admission 4 does not exceed 30%.

Based on the information provided by the Doctoral school Bimedical sciences, the expulsion rate of doctoral students, including dropping out of studies, at 3, respectively 4 years from admission, does not exceed 30%. (2, 3 years for doctoral university study programs with the duration specified in art.159 para.3, respectively 4 years for doctoral university study programs with the duration specified in art.174 paragraph 3 of LEN no.1 / 2011, with subsequent amendments and completions)

The indicator is fulfilled.

Criterion B.2. The content of doctoral programs

**general description of the criterion analysis.*

Standard B.2.1. The training program based on advanced university studies is appropriate to improve doctoral students' research skills and to strengthen ethical behavior in science.

**general description of the standard analysis.*

Performance Indicator B.2.1.1. The training program based on advanced academic studies includes at least 3 disciplines relevant to the scientific research training of doctoral students; at least one of these disciplines is intended to study in-depth the research methodology and/or the statistical data processing.

As presented in the Internal evaluation report and during the online meetings, the advanced university training program includes disciplines of Scientific research methodology and Ethics and Academic integrity, but also relevant disciplines for training in scientific research in the evaluated doctoral field.

The indicator is fulfilled.

Performance Indicator B.2.1.2. At least one discipline is dedicated to Ethics and Intellectual Property in scientific research or there are well-defined topics on these subjects within a discipline taught in the doctoral program.

In the evaluated doctoral field, one out of three discipline courses is Ethics and academic integrity.

The indicator is fulfilled.

Performance Indicator B.2.1.3. The IOSUD has mechanisms to ensure that the academic training program based on advanced university studies addresses “the learning outcomes”, specifying the knowledge, skills, responsibility and autonomy that doctoral students should acquire after completing each discipline or through the research activities⁵.

Based on the analysed documents and meetings during the external evaluation, it is proven that the IOSUD has mechanisms to ensure that the academic training

⁵ Or by what the graduate should know, understand and to be able to do, according to the provisions of the Methodology regarding inscription and registration of higher education qualifications in the the National Register of Qualifications in Higher Education (RNCIS) approved by the Order No.3475/2017 with subsequent amendments and additions.

program based on advanced university studies addresses “the learning outcomes”, specifying the knowledge, skills, responsibility and autonomy that doctoral students should acquire after completing each discipline or through the research activities⁶.

The indicator is fulfilled.

Performance Indicator B.2.1.4. All along the duration of the doctoral training, doctoral students in the domain receive counselling/guidance from functional guidance commissions, which is reflected in written guidance and feedback or regular meeting.

According to the documents in disposal as well as the meetings with the academic staff and students from the domain Biology, each doctoral student is guided, in addition to the scientific supervisor, by a steering committee, consisting of three teachers, having at least the title of doctoral lecturer, specialists in the field of doctorate and thesis topic.

The indicator is fulfilled.

Performance Indicator B.2.1.5. For a doctoral study domain, the ratio between the number of doctoral students and the number of teaching staff/researchers providing doctoral guidance must not exceed 3:1.

Information on the situation of the members of the guiding commissions within the doctoral field Biology, year 2020-2021, results that the ratio between the number of students PhD students and the number of teachers / researchers who provide guidance is 6:5.

The indicator is fulfilled.

Criterion B.3. The results of doctoral studies and procedures for their evaluation

Standard B.3.1. Doctoral students capitalize on the research through presentations at scientific conferences, scientific publications, technological transfer, patents, products and service orders.

- *general description of the standard analysis.*

⁶ Or by what the graduate should know, understand and to be able to do, according to the provisions of the Methodology regarding inscription and registration of higher education qualifications in the the National Register of Qualifications in Higher Education (RNCIS) approved by the Order No.3475/2017 with subsequent amendments and additions.

Performance Indicator B.3.1.1. *For the doctoral school there are in place mechanisms for valorification of the results of doctoral studies in accordance with the specificity of the particular domain (i.e. technological transfer, products, patents in the case of exact sciences; products and services for social sciences and humanities; festivals, contests, recitals, sports competitions; cultural-arts orders in the vocational domain; presentations at national and international conferences, publication of research results in national and international publications, engaging doctoral students in writing research-development projects etc.)*

For the doctoral field Biology, at least one article or other relevant contribution is presented, for each doctoral student, who obtained the title of doctor in the field of doctoral studies analyzed in the last five and whose title was validated by the CNATDCU. Both, doctoral students and their supervisors during the online meeting stated that the study period of three years is too short for the students to publish their research topic results in a number of scientific papers in prestigious international or national journals.

Recommendation:

It is recommended the IOSUD to consider the extension of the study period in the domain Biology as the students can be more efficient with their publications and completion of the PhD studies on time.

The indicator is fulfilled.

Performance Indicator *B.3.1.2. *The ratio between the number of presentations of doctoral students who completed their doctoral studies within the evaluated period (past 5 years), including posters, exhibitions made at prestigious international events (organized in the country or abroad) and the number of doctoral students who have completed their doctoral studies within the evaluated period (past 5 years) is at least 1.*

The ratio between the number of presentations of doctoral students who completed their doctoral studies in the evaluated period (last 5 years), including posters, exhibitions, made at prestigious international events (held in the country or abroad) and the number of doctoral students who completed their doctoral studies in the evaluated period (last five years) is 1.5, so greater than 1. Two doctoral students who graduated in the last five years participated in three conferences.

The indicator is fulfilled.

Standard B.3.2. *The Doctoral School engages a significant number of external scientific specialists in the commissions for public defense of doctoral theses in the analyzed domain.*

**general description of the standard analysis.*

Performance Indicator *B.3.2.1. *The number of doctoral theses allocated to one specialist coming from a higher education institution, other than the evaluated IOSUD should not exceed two (2) in a year for the theses coordinated by the same doctoral thesis advisor.*

Based on the information in IER, during the period evaluated within the doctoral field Biology the number of doctoral theses allocated to a certain referent coming from a higher education institution, other than IOSUD evaluated, is not more than two, for theses coordinated by the same doctoral supervisor in one year.

The indicator is fulfilled.

Performance Indicator *B.3.2.2. *The ratio between the number of doctoral theses assigned to a certain scientific referent from a higher education institution than the one in which the doctoral thesis is organized and the number of doctoral theses defended in the same field of doctoral studies within the doctoral school must not be greater than 0.3, by reference to the situation recorded in the last 5 years. It is analyzed only if in the evaluated doctoral field at least 10 doctoral theses have been defended in the last 5 years.*

According to the information provided by the evaluated institution, only two thesis in the evaluated period were sustained.

The indicator is fulfilled.

Domain C. QUALITY MANAGEMENT

general description of domain analysis.

Criterion C.1. Existence and periodic implementation of the internal quality assurance system

Standard C.1.1. *There are an institutional framework and procedures in place and relevant internal quality assurance policies, applied for monitoring the internal quality assurance.*

- *general description of the standard analysis.*

Performance Indicator C.1.1.1. *The IOSUD shall demonstrate the continuous development of the evaluation process and its internal quality assurance following a procedure developed and applied at the level of the doctoral school(s), the following assessed criteria being mandatory:*

- (a) the scientific work of Doctoral advisors;*
- (b) the infrastructure and logistics necessary to carry out the research activity;*
- (c) the procedures and subsequent rules based on which doctoral studies are organized;*
- d) the academic and social services (including participation to various events, publication of papers etc.) and counselling made available to doctoral students.*
 - description of the facts, the findings from the assessed institution's documents and the evaluation visit itself.*
 - analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself.*

The presented IOSUD-UO quality assurance system seems to be very good and efficient. It functions as a decentralized management system, by quality assurance at the level of departments, faculty and university and administrative entities, integrated in a Total Quality Management (TQM-UO).

The UO QA system is regulated by the Quality assurance Strategy which has set the objectives and areas the QA system should focus with the aim for continuous quality improvement: Institutional capacities, educational effectiveness and quality management.

Quality assurance Code establishes the principles, the organization and functioning for the education and research processes and a set of quality assurance procedures which are applied to doctoral schools to measure the quality of the doctoral supervisors, quality of teaching activities, the quality of teaching staff and study disciplines, the quality of the training program based on advanced university studies of doctoral students, the procedures regarding the establishment, evaluation and ranking of research centres and didactic laboratories, the evaluation of the scientific activities of doctoral students, the procedures for evaluation of internal monitoring of the doctoral schools/doctoral fields within the IOSUD as well as evaluation of other student services (social services-students' dormitories, canteen, medical office and the Career Counseling and services Center). Based on all analysed documents and the online meetings with the Commission for Quality Evaluation and Assurance, Doctoral School/domain academics staff and PhD students, it is concluded that this indicator is fulfilled.

The indicator is fulfilled.

Performance Indicator *C.1.1.2. *Mechanisms are implemented during the stage of the doctoral study program to enable feedback from doctoral students allowing to identify their needs, as well as their overall level of satisfaction with the doctoral study program in order to ensure continuous improvement of the academic and*



administrative processes. Following the analysis of the results, there is evidence that an action plan was drafted and implemented.

Based on the evidence provided by doctoral domain under evaluation there is in place the Procedure for the internal evaluation and monitoring of doctoral schools / doctoral fields within IOSUD_UO, by doctoral students. PhD students will complete the Questionnaire on the level of satisfaction with the doctoral program in each academic year, in the first quarter of the year (A sample of the Satisfaction Questionnaire, containing 29 questions, is included in the IER). PhD students must express their satisfaction on a scale from “very dissatisfied - dissatisfied neither satisfied, nor dissatisfied - satisfied - to very satisfied”

In the next period, the data collected from these questionnaires will be processed, so that the Doctoral School Council(CSD), based on the information from these questionnaires, will present the Council for Academic Doctoral Studies(CSUD) conclusions and, as appropriate, the package of measures proposed to improve the doctoral program as a whole academic and administrative services provided.

During the online meeting with doctoral students they confirmed that they have fulfilled the Questionnaire disseminated by the doctoral school to evaluate their satisfaction. During the online meeting with EET the students expressed their satisfaction with the work of the supervisors, particularly their redines to contact with them in distance mode during the Covid-19 pandemic and to support them in their research work.

The indicator is fulfilled.

Criterion C.2. Transparency of information and accessibility of learning resources

**general description of the criterion analysis.*

Standard C.2.1. Information of interest to doctoral students, future candidates and public interest information is available for electronic format consultation.

**general description of the standard analysis.*

Performance Indicator C.2.1.1. The IOSUD publishes on the website of the organizing institution, in compliance with the general regulations on data protection, information such as:

(a) the Doctoral School regulation;

(b) the admission regulation;



(c) the doctoral studies contract;

(d) the study completion regulation including the procedure for the public presentation of the thesis

22 (e) the content of training program based on advanced academic studies;

(f) the academic and scientific profile, thematic areas/research themes of the Doctoral advisors within the domain, as well as their institutional contact data;

(g) the list of doctoral students within the domain with necessary information (year of registration; advisor);

(h) information on the standards for developing the doctoral thesis;

(i) links to the doctoral theses' summaries to be publicly presented and the date, time, place where they will be presented; this information will be communicated at least twenty days before the presentation.

According to all data provided by the Doctoral School of Biomedical sciences and other information obtained from the University of Oradea website, all the information regarding the completion of the doctoral program, starting with the admission and until obtaining the doctoral degree, are provided to the doctoral students both through the IOSUD secretariat department and by posting on the site (<https://doctorat.uoradea.ro/ro/documente/formulare-utile>).

In the UO website the following information are published:

- The doctoral school regulations
- The rules of admission
- Doctoral study contract
- The regulation for the completion of studies which should also include the procedure for the public presentation of the thesis.
- Content of curricula Education plan/subject sheet-
- The academic and scientific profile, thematic areas/research topics of the doctoral supervisors in the school, as well as the institutional contact details of these centralized situations
- List of doctoral students in the school with basic information (year of enrollment; leader)
- The information on the standards for the elaboration of the doctoral thesis OM / Annex to the SUD contract / Training program and results ;
- Links to abstracts of doctoral theses to be defended publicly, as well as the date, time, place where they will be defended, at least 20 days before the defense.

The indicator is fulfilled.

Standard C.2.2. The IOSUD/The Doctoral School provides doctoral students with access to the resources needed for conducting doctoral studies.

**general description of the standard analysis.*

Performance Indicator C.2.2.1. All doctoral students have free access to one platform providing academic databases relevant to the doctoral studies domain of their thesis.

Beside the free access to the UO central library, with a total of over 347,200 publications, IOSUD –UO offers access to all doctoral students during all study time through the ANELIS Plus program (- ANELIS Plus Contracts), in order to offer doctoral students free access to a platform with relevant academic databases for the fields of organized doctoral studies.

All doctoral students have access to this platform permanently, based on account and password, free of charge.

Students can access the following databases: PROQUEST Central, ScienceDirect Freedom Collection, Scopus, Elsevier, de Gruyter ebooks, SpringerLink Journals, Springer, Web of Science Core Collection, InCites Journal Citation Reports, Derwent Innovations Index, Clarivate Analytics.

The indicator is fulfilled.

Performance Indicator C.2.2.2. Each doctoral student shall have access, upon request, to an electronic system for verifying the degree of similarity with other existing scientific or artistic works.

According to the data provided by IOSUD-UO as well as from the Doctoral School of Biomedical Sciences/study domain Biology it is proved that at the level of IOSUD - University of Oradea, all doctoral and habilitation theses are verified by an anti-plagiarism software, which is in the list of programs recognized by CNATDCU and used at the level of higher education institutions organizing studies doctoral university and of the Romanian Academy, in order to establish the degree of similarity for scientific papers, in accordance with MENCS Order no. 3485 / 24.03.2016.

The indicator is fulfilled.

Performance Indicator C.2.2.3. All doctoral students have access to scientific research laboratories or other facilities depending on the specific domain/domains within the Doctoral School, according to internal order procedures.



Based on the facts provided from the site visit at the University Doctoral Schools, a number of well equipped research laboratories and other facilities are listed that doctoral students in the Domain Biology have access and are used by the students, in accordance with the internal regulations and under supervision of their PhD supervisors.

The indicator is fulfilled.

Criterion C.3. Internationalization

Standard C.3.1. IOSUD/Doctoral school has a strategy in place and it is applied to enhance the internationalization of doctoral studies.

- *general description of the standard analysis.*

Performance Indicator * C.3.1.1. IOSUD, for every doctoral school, has concluded mobility agreements with universities abroad, with research institutes, with companies working in the field of study, aimed at the mobility of doctoral students and academic staff (e.g., ERASMUS agreements for the doctoral studies). At least 35% of the doctoral students have completed a training course abroad or other mobility forms such as attending international scientific conferences. IOSUD drafts and applies policies and measures aiming at increasing the number of doctoral students participating at mobility periods abroad, up to at least 20%, wich is the target at the level of the European Higher Education Area.

As presented by the Doctoral School of Biomedical Sciences, at the level of the doctoral field Biology, there are framework agreements for the mobility of doctoral students, which is presented in the table, showing 6 mobilities doctoral students realized in three partner universities for a 10 month period, within Erasmus + Mobility Agreements valid in the univ. 2020/2021, which also provide for cycle III exchanges (doctoral studies).

The indicator is fulfilled.

Performance Indicator C.3.1.2. IOSUD supports, including providing financial support, to the organization of doctoral studies in international co-tutelage or invitation of leading experts to deliver courses/lectures for doctoral students.

Although it is stated that IOSUD/Doctoral school has a strategy in place and it is applied to enhance the internationalization of doctoral studies, based on the information provided in the Internal evaluation Report, full information on the activities in this component are not presented.

Dispite the fact that there was no co-tutelage organization of doctoral studies, the additional documents received from the Doctoral program domain Biology show



evidence that there were five invited speakers/professors from Poland in 2020 to give lectures for doctoral students.

Recommendations: IOSUD-UO should make much more efforts to increase international cooperation at organizing doctoral studies in co-tutelage with international universities.

It is recommended to make compulsory the international presence in the Thesis Doctoral Commission, at least one member should be international.

The indicator is fulfilled.

Performance Indicator C.3.1.3. *The internationalization of activities carried out during the doctoral studies is supported by IOSUD through concrete measures (e.g., by participating in educational fairs to attract international doctoral students; by including international experts in guidance committees or doctoral committees etc.).*

As presented in the provided documents by the institution under evaluation, internationalization activities of the doctoral students in the domain Biology were mostly organized as participation in international education fairs (7 such activities are presented in the documents), which main goal was to attract international doctoral students to study in Romania.

The indicator is fulfilled.

IV. SWOT Analysis

<u>Strengths:</u>	<u>Weaknesses:</u>
<p>1. Strong support of doctoral students during their research; Each doctoral student is guided, in addition to the scientific supervisor, by a steering committee, consisting of three teachers, having at least the title of doctoral lecturer, specialists in the field of doctorate and thesis topic.</p> <p>2. Excellent research infrastructure with very good equipped research laboratories, supported by adequate allocated spaces and complementary services.</p> <p>3. Very good and efficient Quality assurance system which functions as a decentralized management system, by quality assurance at the level of departments, faculty and university and administrative entities, integrated in a Total Quality Management (TQM-UO).</p> <p>4. Satisfied doctoral students with their supervisors and their engagement during the Covid-19 Pandemic.</p>	<p>1. The number of doctoral advisors in the domain Biology who meet the minimum standards of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU) is three. Among them, two are employed with permanent contract employment.</p> <p>Recommendation : In order to increase the number of thesis advisors in the domain Biology the UO should motivate and financially support the research activities of the academic staff and their publications in WoS, Scopus, BDI and other relevant platforms, as specified in the national legislation.</p> <p>2. Both, doctoral students and their supervisors during the online meeting stated that the study period of three years is too short for doctoral students to publish their research topic results in a number of scientific papers in prestigious international or national journals.</p> <p>Recommendation: the IOSUD to consider the extension of the study period in the domain Biology as the students can be more efficient with their publications and completion of the PhD studies on time.</p> <p>3. Although it is stated that IOSUD/Doctoral school has and applies a strategy to enhance the internationalization of doctoral studies, the information on these activities is not well presented in the IER.</p> <p>Recommendations: IOSUD-UO should make much more efforts to increase international cooperation at organizing</p>

	<p>doctoral studies in co-tutelage with international universities.</p> <p>It is recommended to make compulsory the international presence in the Doctoral thesis Commission, at least one member should be international.</p>
<p>Opportunities</p> <p>1. The number of master's degree graduates of other higher education institutions in the country or abroad who have registered for the admission competition for doctoral studies and the number of places financed from the state budget put up for competition at the admissions 2015- 2019 for the evaluated doctoral field is $9/2 = 4,5$. This is the opportunity for the doctoral school to admit the best candidates.</p>	

V. Overview of judgments awarded and of the recommendations

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
1.		Performance Indicator A.1.1.1.	Fulfilled	
2.		Performance Indicator A.1.1.2.	Fulfilled	It is recommended the Code of Ethics and University Ethics of the University of Oradea to include a section on the Ethical

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
				guidelines for the protection of Human and animals used in Scientific Research.
3.		Performance Indicator A.1.2.1.	Fulfilled	
4.		Performance Indicator A.1.2.2.	Fulfilled	
5.		Performance Indicator A.1.3.1.	Fulfilled	
6.	*	Performance Indicator A.1.3.2.	Fulfilled	
7.	*	Performance Indicator *A.1.3.3	Fulfilled	
8.	C	Performance Indicator A.2.1.1.	Fulfilled	
9.	C	Performance Indicator A.3.1.1.	Fulfilled	
10.	*	Performance Indicator *A.3.1.2.	Fulfilled	Two, out of three supervisors in the doctoral program in the domain Biology are employed on a permanent contract of employment. In order to increase the number of thesis advisors in this domain, the UO should motivate and financially support the research activities of the academic staff and their publications in WoS, Scopus, BDI and other relevant platforms, as specified in the national legislation.
11.		Performance Indicator A.3.1.3.	Fulfilled	
12.		Performance Indicator A.3.1.4.	Fulfilled	
13.	C	Performance Indicator A.3.2.1.	Fulfilled	
14.	*	Performance Indicator *A.3.2.2.	Fulfilled	
15.	*	Performance Indicator *B.1.1.1.	Fulfilled	

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
16.	*	Performance Indicator *B.1.2.1.	Fulfilled	
17.		Performance Indicator B.1.2.2.	Fulfilled	
18.		Performance Indicator B.2.1.1.	Fulfilled	
19.		Performance Indicator B.2.1.2.	Fulfilled	
20.		Performance Indicator B.2.1.3.	Fulfilled	
21.		Performance Indicator B.2.1.4.	Fulfilled	
22.	C	Performance Indicator B.2.1.5.	Fulfilled	
23.	C	Performance Indicator B.3.1.1.	Fulfilled	It is recommended the IOSUD to consider the extension of the study period in the domain Biology as the students can be more efficient with their publications and completion of the PhD studies on time
24.	*	Performance Indicator B.3.1.2.	Fulfilled	
25.	*	Performance Indicator *B.3.2.1.	Fulfilled	
26.	*	Performance Indicator *B.3.2.2.	Fulfilled	
27.		Performance Indicator C.1.1.1.	Fulfilled	
28.	*	Performance Indicator *C.1.1.2.	Fulfilled	
29.	C	Performance Indicator C.2.1.1.	Fulfilled	
30.		Performance Indicator C.2.2.1.	Fulfilled	
31.		Performance Indicator C.2.2.2.	Fulfilled	
32.		Performance Indicator	Fulfilled	

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
		C.2.2.3.		
33.	*	Performance Indicator *C.3.1.1.	Fulfilled	
34.		Performance Indicator C.3.1.2.	Fulfilled.	IOSUD-UO should make much more efforts to increase international cooperation at organizing doctoral studies in co-tutelage with international universities. It is recommended to make compulsory the international presence in the Thesis Doctoral Commission, at least one member should be international.
35.		Performance Indicator C.3.1.3.	Fulfilled	

VI. Conclusions and general recommendations

Doctoral program Biology operates under the Biomedical Sciences Doctoral School, respectively IOSUD, University of Oradea. Currently the program has 21 students, supervised by four qualified supervisors, Habilitated and recognized by CNATDCU. The doctoral students are satisfied with the work of their supervisors and support they get during their doctoral research. The research facilities of the Doctoral school where the program Biology is offered are impressive, with very well equipped scientific research laboratories, adequate for doctoral programs. A Questionnaire to evaluate the doctoral students' satisfaction with the doctoral studies program is disseminated to the students and based on the identified students' needs, a plan of measures will be implemented.

The Quality assurance system at the level of IOSUD and Doctoral domain biology is well organized and efficient.

Although the general impressions for the quality of the study program in the domain Biology are positive, however, some weaknesses, which need to be addressed, are identified.

The doctoral students and their supervisors expressed their concerns about the time it takes to publish students research results in national or international indexed scientific journals. Sometimes the publication procedures are very long and students fail to publish in time. This delay obliges the students to ask for extension of study period, which is not always affordable for them.



International cooperation, in particular the involvement of international professors in Doctoral commissions is an issue the IOSUD/Biomedical Sciences Doctoral School-domain Biology need to make more efforts to implement.

Recommendations:

It is recommended the Code of Ethics and University Ethics of the University of Oradea to include a section on the Ethical guidelines for the protection of Human and animals used in Scientific Research.

Two, out of three supervisors in the doctoral program in the domain Biology are employed on a permanent contract of employment. In order to increase the number of thesis advisors in this domain, the UO should motivate and financially support the research activities of the academic staff and their publications in WoS, Scopus, BDI and other relevant platforms, as specified in the national legislation.

It is recommended the IOSUD to consider the extension of the study period in the domain Biology as the students can be more efficient with their publications and completion of the PhD studies on time.

IOSUD-UO should make much more efforts to increase international cooperation at organizing doctoral studies in co-tutelage with international universities.

It is recommended to make compulsory the international presence in the Thesis Doctoral Commission, at least one member should be international.

Pristina, 30.11.2021

FERDIJE ZHUSHI ETEMI, PHD

VII. Annexes

- *The detailed schedule of the evaluation visit – MANDATORY.*

Nr.... /.....2021

Programul⁷ vizitei de evaluare instituțională - IOSUD / domenii de studii universitare de doctorat a
Universității din Oradea

The timetable of the institutional evaluation visit - IOSUD / doctoral study domains at the ***University of Oradea***

Perioada de derulare a vizitei: 15.11.2021 – 22.11.2021

The evaluation period: 15.11.2021 – 22.11.2021

⁷ În perioada vizitei, pot fi solicitate și alte întâlniri, pentru eventuale clarificări.

During the visit, other meetings may be requested for possible clarifications.

Evaluarea Externă Periodică a IOSUD și a domeniilor de studii universitare de doctorat
Periodical External Evaluation of the Institution Organising Doctoral Study Programs (IOSUD),
and of the doctoral study domains

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
Luni / Monday, 15.11.2021			
09:00- 10:45	Întâlnire preliminară online pentru pregătirea și armonizarea etapelor de evaluare, în modul mixt, la nivel de domenii de doctorat și IOSUD Online preliminary meeting for the preparation and harmonization of evaluation steps, in hybrid mode, of doctoral study domains and IOSUD	Comisia de evaluare IOSUD&domenii IOSUD&domains evaluation panel - toți membrii echipei de evaluare all evaluation panel members	Înregistrare audio-video ARACIS / platforma ZOOM Audio-video recording ARACIS / ZOOM platform
11:00- 11:45	Întâlnirea online a comisiei de experți evaluatori cu reprezentanții conducerii universității și ai CSUD Online meeting with representatives of the institution and of the Council for Academic Doctoral Studies (CSUD)	Comisia de evaluare IOSUD&domenii IOSUD&domains evaluation panel - toți membrii echipei de evaluare all evaluation panel members - reprezentanți ai conducerii representatives of the University's management - reprezentanți ai CSUD și ai școlii/școlilor doctorale representatives of the CSUD and of the Doctoral School /Schools	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
		- persoana de contact IOSUD/domenii the contact person for IOSUD / doctoral domains	
12:00- 13:00	Activități de evaluare Evaluation activities Domeniu⁸: Întâlnire online a comisiei de experți evaluatori cu responsabilul domeniului de studii universitare de doctorat evaluat și cu echipa care a realizat raportul de evaluare internă Domain: Online meeting with the contact person for the doctoral study domain under review and the team who drafted the internal evaluation	Comisia de evaluare domeniu Domain evaluation panel -membrii comisiei de experți evaluatori domeniu members of domain evaluation panel - responsabilul domeniului de studii universitare de doctorat evaluat și echipa care a realizat raportul de evaluare internă The doctoral studies	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform

8 Pentru toate întâlnirile din program unde se menționează domeniu, se vor organiza **11 întâlniri în PARALEL pentru cele 18 domenii de studii universitare de doctorat** din componența IOSUD (1.SD_Științe ingineresti_(Matematică), 2.SD_ Științe ingineresti _Agronomie, 3.SD_ Științe ingineresti _(Inginerie electrică, Inginerie energetică, IETTI), 4. SD_ Științe ingineresti _(Inginerie și managemet, Inginerie industrială), 5.SD_Geografie, 6. SD_Sociologie, 7.SD_ Științe economice (Finanțe, Economie, Administrarea afacerilor), 8. SD_ Științe Umaniste si Arte (Filologie, Teologie), 9.SD_Istorie, 10.SD_ Științe biomedicale_ Biologie, 11. SD_ Științe biomedicale_(Medicină, Farmacie). *For all the timetable meetings where the domain is mentioned, 11 meetings will be ORGANIZED IN PARALLEL for the 18 doctoral university studies domains within IOSUD (1.SD_ Engineering Sciences_(Mathematics), 2.SD_ Engineering Sciences _ Agronomy, 3.SD_ Engineering Sciences_(Electrical engineering, Energy engineering, EETIT), 4.SD_Engineering Sciences_(Engineering and Management, Industrial Engineering), 5.SD_ Geography, 6.SD_ Sociology, 7.SD_ Economic Sciences (Business Administration, Economics, Finance), 8. SD_ Humanistic Sciences and Arts (Philology, Theology), 9.SD_ History, 10.SD_ Biomedical Sciences _(Biology), 11.SD_ Biomedical Sciences _(Medicine, Pharmacy).*

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
	report	domain contact person and the team who drafted the internal evaluation report	
13:15-14:15	<p>Activități de evaluare Evaluation activities</p> <p>IOSUD: Întâlnire online a comisiei de experți evaluatori cu directorul CSUD/directorii școlilor doctorale din IOSUD supus procesului de evaluare și cu echipa care a realizat raportul de evaluare internă IOSUD: Online meeting with the director of CSUD / directors of doctoral schools and the team who drafted the internal evaluation report</p>	<p>Comisia de evaluare IOSUD IOSUD evaluation panel</p> <p>- membrii comisiei de experți evaluatori IOSUD members of IOSUD evaluation panel</p> <p>- reprezentanți ai CSUD și ai școlii/școlilor doctorale/ IOSUD representatives of CSUD and of doctoral school(s)/IOSUD</p>	<p>Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform</p>
14:30-15:30	<p>Activități de evaluare Evaluation activities</p> <p>Domeniu: Întâlnire online a comisiei de experți evaluatori cu personalul didactic aferent domeniului evaluat Domain: Online meeting with the academic staff corresponding to the doctoral study domain</p>	<p>Comisia de evaluare domeniu Domain evaluation panel</p> <p>-membrii comisiei de experți evaluatori domeniu members of domain evaluation panel</p> <p>-cadre didactice cu titlul de conducător de doctorat Doctoral coordinators</p>	
15:45–16:45	<p>Activități de evaluare Evaluation activities</p> <p>IOSUD: Întâlnire online a</p>	<p>Comisia de evaluare IOSUD IOSUD evaluation panel</p>	<p>Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform</p>

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
	comisiei de experți evaluatori cu personalul didactic aferent școlilor doctorale din IOSUD IOSUD: Online meeting with IOSUD academic staff	- membrii comisiei de experți evaluatori IOSUD members of IOSUD evaluation panel - cadre didactice cu titlul de conducător de doctorat Doctoral coordinators	
16:45-19:00	Continuarea activităților de evaluare a domeniilor de studii universitare de doctorat și IOSUD Continuation of the doctoral study domain and IOSUD evaluation activities	Comisia de evaluare IOSUD&domenii IOSUD&domains evaluation panel - la nivel de IOSUD at IOSUD level - la nivel de domenii de doctorat at doctoral study domain level	Se lucrează separat.⁹ offline/online. Independent evaluation activities.
Marti / Tuesday, 16.11.2021			
09:00 - 10:00	Întâlnire online cu membrii Comisiei de Etică a universității Online meeting with the members of the Ethics Commission	Comisia de evaluare IOSUD&domenii IOSUD&domains evaluation panel - toți membrii echipei de evaluare all evaluation panel	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform

9 În cazul în care se organizează întâlniri suplimentare cu reprezentanții instituției de învățământ superior sau cu alte părți interesante, acestea se vor organiza în format online, după caz, de către instituția evaluată sau de către echipa de evaluare, iar înregistrările se vor încărca în *cloud-ul* ARACIS. Dacă sunt întâlniri între membrii echipei de evaluare, nu este necesară încărcarea înregistrărilor. Se pot organiza și vizite la fața locului, de comun acord cu persoana de contact de la domeniul evaluat. *If additional meetings are organized with the representatives of the higher education institution or with other interested parties, they will be organized in online format, as the case may be, by the evaluated institution or by the evaluation team, and the records will be uploaded to ARACIS' cloud. If there are meetings between the members of the evaluation team, it is not necessary to upload the records. On-site visits may also be arranged, in agreement with the contact person of the evaluated domain.*

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
		members -membrii Comisiei de Etică Ethics Commission members	
10:15 - 11:15	Activități de evaluare Evaluation activities Întâlnire online cu membrii Comisiei pentru Evaluarea și Asigurarea Calității (CEAC) / Departamentul de asigurare a calității Online meeting with the Commission for Quality Evaluation and Assurance (CEAC) members / Quality Assurance Department	Comisia de evaluare IOSUD&domenii IOSUD&domains evaluation panel - toți membrii echipei de evaluare all evaluation panel members - reprezentanți ai CEAC/Departament AC representatives of Commission for Quality Evaluation and Assurance (CEAC) / Quality Assurance Department	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform
11:30– 12:30	Activități de evaluare Evaluation activities <u>Domeniu:</u> Întâlnire online a comisiei de evaluare cu studenții doctoranzi <u>Domain:</u> Online meeting with PhD students	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu members of domain evaluation panel - studenții doctoranzi PhD students	Înregistrare audio-video ARACIS / platforma ZOOM Audio-video recording ARACIS / ZOOM platform
12:45- 13:45	Activități de evaluare Evaluation activities <u>IOSUD:</u> Întâlnire online a comisiei de evaluare cu	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de	Înregistrare audio-video ARACIS / platforma ZOOM Audio-video recording ARACIS / ZOOM platform

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
	studenții doctoranzi <i>IOSUD: Online meeting with PhD students</i>	experți evaluatori IOSUD members of IOSUD evaluation panel - studenții doctoranzi PhD students	
14:00- 15:00	Activități de evaluare Evaluation activities Domeniu: Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților domeniului <i>Domain: Online meeting with graduates for the respective doctoral study domain</i>	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu members of domain evaluation panel - reprezentanți ai absolvenților representatives of doctoral graduates	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform
15:15- 16:15	Activități de evaluare Evaluation activities IOSUD: Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților IOSUD <i>IOSUD: Online meeting with IOSUD graduates</i>	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de experți evaluatori IOSUD members of IOSUD evaluation panel - reprezentanți ai absolvenților representatives of doctoral graduates	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
16:15-18:00	Continuarea activităților de evaluare a domeniilor de studii universitare de doctorat și IOSUD Continuation of the doctoral study domain and IOSUD evaluation activities	Comisia de evaluare IOSUD&domenii IOSUD&domains evaluation panel - la nivel de IOSUD at IOSUD level - la nivel de domenii de doctorat at doctoral study domain level	Se lucrează separat offline/online. Independent evaluation activities offline/online..
Miercuri / Wednesday, 17.11.2021			
09:00-10:00	Activități de evaluare Evaluation activities Domeniu: Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare aferente domeniului de studii universitare de doctorat Domain: Online meeting with the Directors/ persons in charge of the research centers/laboratories within the doctoral study domain	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu members of domain evaluation panel -directorii centrelor / laboratoarelor de cercetare directors of research centers/laboratories	Înregistrare audio-video UO / platforma UO Audio-video recording UO / ZOOM platform
10:15-11:15	Activități de evaluare Evaluation activities IOSUD: Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare IOSUD IOSUD: Online meeting with the Directors/ persons in charge of the research	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de experți evaluatori IOSUD members of IOSUD evaluation panel - directorii centrelor / laboratoarelor de cercetare directors of research centers/laboratories	Înregistrare audio-video UO / platforma UO Audio-video recording UO / ZOOM platform

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
	centers/laboratories within IOSUD	Directors of the research centers/laboratories	
11:30 - 12:30	Activități de evaluare Evaluation activities Domeniu: Întâlnire online cu membrii Consiliului școlii /școlilor doctorale (CSD) în cadrul cărora funcționează domeniul evaluat Domain: Online meeting with Doctoral Schools Council (CSD members)	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu members of domain evaluation panel -membrii CSD CSD's members	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform
12:45- 13:45	Activități de evaluare Evaluation activities IOSUD: Întâlnire cu membrii Consiliului Studiilor Universitare de Doctorat al IOSUD IOSUD: Online meeting with Doctoral University Studies Council (CSUD) members	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de experți evaluatori IOSUD members of IOSUD evaluation panel - membrii CSUD CSUD's members	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform
14:00 - 15:00	Activități de evaluare Evaluation activities Domeniu: Întâlnire online a comisiei de evaluare cu reprezentanți ai angajatorilor absolvenților domeniului Domain: Online meeting with employers of Doctoral graduates in the domain	Comisia de evaluare domeniu Domain evaluation panel - membrii comisiei de experți evaluatori domeniu members of domain evaluation panel - reprezentanți ai angajatorilor employers'	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
		<i>representatives</i>	
15:15-16:15	<p>Activități de evaluare <i>Evaluation activities</i></p> <p>IOSUD: Întâlnire online a comisiei de evaluare cu reprezentanți ai angajatorilor absolvenților <i>IOSUD: Online meeting with employers of doctoral graduates</i></p>	<p>Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i></p> <p>- membrii comisiei de experți evaluatori IOSUD <i>members of IOSUD evaluation panel</i></p> <p>- reprezentanți ai angajatorilor employers' representatives</p>	<p>Înregistrare audio-video / platforma UO <i>Audio-video recording UO / ZOOM platform</i></p>
16:30 - 17:30	<p>Întâlnire tehnică online, pentru identificarea aspectelor specifice care trebuie clarificate, dacă este cazul, pe parcursul vizitei la fața locului <i>Online technical meeting to identify specific issues that need to be clarified, if necessary, during the on-site visit</i></p>	<p>Comisia de evaluare IOSUD&domenii <i>IOSUD&domains evaluation panel</i></p> <p>- toți membrii echipei de vizită <i>all evaluation panel members</i></p>	<p>Înregistrare audio-video ARACIS / platforma ZOOM <i>Audio-video recording ARACIS / ZOOM platform</i></p>
Joi / Thursday, 18.11.2021			
09:00-18:00	<p>Reuniuni de lucru față în față¹⁰, vizitarea bazei materiale didactice și de cercetare <i>Face-to-face working meetings, visiting the</i></p>	<p>- directorul de misiune și coordonatorul, un student doctorand evaluator <i>the Evaluation Director and the coordinator of the IOSUD evaluation panel,</i></p>	<p>Vizită UNIVERSITATE <i>Site visit to the university</i></p>

10 Experții evaluatori la nivelul domeniilor de studii universitare de doctorat pot stabili independent programul vizitei la fața locului, de comun acord cu persoana de contact de la domeniul evaluat și respectând programul întâlnirilor comune cu restul membrilor echipei de evaluare. *The evaluators at doctoral study domain level can independently establish the program of the on-site visit, in agreement with the contact person for the evaluated domain and respecting the schedule of joint meetings with the rest of the evaluation panel members.*

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
	educational and research infrastructure	one student - reprezentanți ai universității university's representatives	
Vineri / Friday, 19.11.2021			
09:00-18:00	Reuniuni de lucru față în față, vizitarea bazei materiale didactice și de cercetare Face-to-face working meetings, visiting the educational and research infrastructure	- directorul de misiune și coordonatorul, un student doctorand evaluator the Evaluation Director and the coordinator of the IOSUD evaluation panel, one student - reprezentanți ai universității university's representatives	Vizită UNIVERSITATE Site visit to the university
Sâmbătă/ Saturday, 20.11.2021			
10:00-11:30	Întâlnire online pentru concluzii Online meeting for conclusions	Comisia de evaluare IOSUD&domenii IOSUD&domains evaluation panel - toți membrii echipei de evaluare all evaluation panel members	Înregistrare audio-video ARACIS / platforma ZOOM Audio-video recording ARACIS / ZOOM platform
11:45-12:30	Întâlnire finală online în vederea prezentării principalelor constatări rezultate în urma evaluării la nivel de domenii de doctorat și IOSUD și a recomandărilor de îmbunătățire a calității Meeting with	Comisia de evaluare IOSUD&domenii IOSUD&domains evaluation panel - toți membrii echipei de evaluare all evaluation panel members	Înregistrare audio-video / platforma UO Audio-video recording UO / ZOOM platform

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
	<i>representatives of the institution under review to discuss on the conclusions of the evaluation process and the main recommendations</i>	<i>- reprezentanții universității universității university's representatives</i>	



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