



UNIVERSITATEA
DE MEDICINĂ ȘI FARMACIE
VICTOR BABEȘ | TIMIȘOARA

**INTERNAL ASSESMENT REPORT OF THE
"VICTOR BABEȘ" UNIVERSITY OF MEDICINE
AND PHARMACY DOCTORAL SCHOOL,
DOMAIN OF MEDICINE**

2016-2021



UNIVERSITATEA
DE MEDICINĂ ȘI FARMACIE
VICTOR BABEȘ | TIMIȘOARA

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Table of Contents

Foreword	4
1. General Information.....	5
1. 1. UMFVBT Doctoral Schools	5
1.1.1 Establishment, structure and evolution of the Doctoral School of Medicine and Pharmacy.....	5
1.1.2 The Medicine and Pharmacy Doctoral School's Mission.....	9
1.1.3 Quality Certification Level of the Domain of Medicine pertaining to the Doctoral School of Medicine-Pharmacy – Prior ARACIS assessments.....	10
1. 2. The Academic Doctoral Domain of Medicine.....	11
1.2.1 Mission and Objectives.....	11
1.2.2 Domain of Medicine Educational Plans.....	12
1.2.3. PhD Leaders pertaining to the Domain of Medicine.....	21
1.2.4. PhD Students pertaining to the Domain of Medicine.....	28
1.2.5 Scientific achievements of PhD students, Domain of Medicine.....	29
1.2.6 Medical Domain Research Centres.....	30
1. 3 Domain of Medicine Internal Quality Assurance System	33
1.3.1 Quality assurance policies and the definition of procedures, beneficiaries and their responsibilities.....	34
1.3.2. Participation of staff, PhD students and external stakeholders in the quality assurance process.....	35
1.3.3. Interaction between the quality assurance system and university management	35
1.3.4. Transparency and access to information specific to the internal quality assurance system, for internal and external beneficiaries.....	35
1.3.5 Efficiency of internal quality assurance procedures and structures and their impact on doctoral study activities.....	36
1.3.6 Information produced by the internal quality assurance system is used as a tool for quality management and to improve education and other activities.....	36
1.3.7. Monitoring, evaluation and continuous development of the internal quality assurance system.....	36
2.Criteria, Standards, and Key Performance indicators.....	37
A.Institutional capacity	37
B. Educational efficacy.....	43
C. Quality management.....	50
3. Strategies implemented by the IOSUD	59
4. Appendix	61



Foreword

The current internal evaluation report of the `Victor Babes` University of Medicine and Pharmacy IOSUD has been conceived in accordance with the National Education Law nr. 1/2011, as well as the updated Government Decision Nr. 681/2011 regarding approval of the University Doctoral Studies Code. The methodology used for the internal evaluation is as specified in the Government Order Nr. 3.651 from the 12th of April 2021, regarding approval of the University doctoral studies evaluation methodology and the afferent criteria, standards and key performance indicators, published in the Official Journal of Romania, Nr. 414, 20th of April 2021, as well as Art. 2 of the Contract regarding the provision of services for periodical external evaluation of the University doctoral Studies, Nr. 224 from the 4th of May, 2021

The report was conceived between April and May 2021 by a Committee formed for the preparation of the ARACIS evaluation file, necessary for the external and periodical assessment of the University's Doctoral School Domain of Medicine, committee coordinated by the Head of The Doctoral School Council (CSD), Prof. Univ. Dr. Tomescu Mirela Cleopatra, as approved by the Administration Council's Decision H.C.A Nr. 9/9640 din 23.03.2021 ([Annex 1](#))

Prof. Univ. Dr. Tomescu Mirela Cleopatra - executive

Prof. Univ. Dr. Sinescu Cosmin - member

Prof. Dr.. Popovici Ramona Amine - member

Prof. Univ. Dr. Munteanu Mihnea - member

PhD Student Țogoe Marius Mihai – member

The Report was validated in the Council for Academic Doctoral Studies meeting from the 2nd of June 2021, and was approved by the UMF "Victor Babes" Timișoara Senate meeting from the 3rd of June 2021



1. General information

1.1 The “Victor Babeș” University of Medicine and Pharmacy Doctoral Schools

1.1.1 Establishment, structure and evolution of the Doctoral School of Medicine and Pharmacy

Within the University of Medicine and Pharmacy "Victor Babeș" in Timisoara (UMFVBT) a there has been carried out a complex activity of higher medical education, research and high-performance medical, for over sixty years, placing our university among elite higher education institutions. The achievements of more than half a century are the result of the diligent work done by both university teachers and students and auxiliary, technical-administrative staff.

The first legal ammendment regarding the existence of human medical studies in Timisoara dates back to December 1944 when DECRET-LEGE no. 660 for the establishment of the Western University, which on 31 December of the same year was signed by King Michael I.

The Faculty of Medicine of Timisoara began to operate effectively on 15 July 1945, after the Royal Decree No. 104 of 17 January 1945, published in the Official Gazette no. 14 of 18 January 1945 and signed by Dr. Dumitru Bagdasar, Minister of Health at the time.

From the very beginning, the Institute of Medicine and Pharmacy (IMF) in Timisoara, now the University of Medicine and Pharmacy "Victor Babeș" in Timisoara, has established itself as a paramount and positive organization regarding the healthcare in the Banat area, both by the quality of the medical act performed by prominent medical personalities, academics, distinguished mentors of many generations, and by the emergence of numerous new clinical units that have essentially raised the quality of the medical act.

Starting with 2005, inaccordance with the provisions of HG 567/2005, theDr. of theVictor-Babeș University of Medicine and Pharmacy in Timișoara was established in the autumn of 2005 the DoctoralSchool, and the doctoral studies are organized according to H.G. 567/15.06.2005, with the organizational structure made up of all professors, doctoral leaders and PhD leaders. According to this ruling within our University, the scientific doctorate works, so the Doctoral School represents a cross-cutting academic institutional structure, invested with the responsibility of organizing and conducting in the best conditions of the doctoral studies, as well as with that of the foreshadowing of the strategy of the University of Medicine and Pharmacy "Victor Babeș" in Timișoara regarding the PhD.

The University of Medicine and Pharmacy "Victor Babeș" in Timișoara is accredited as an Univeristy Doctoral Studies Organizing Institution (further abbreviated as I.O.S.U.D.). Within it, a scientific academical doctorate can be conducted, and PhD students can obtain the



title of Doctor of Medical Sciences in the fields of Medicine and Dental Medicine, according to O.M. 3855/17.05.2010. Doctoral School of Medicine - Dental Medicine, according to O.M. 5382/29.09.2016, art.3, UMFVBT is authorized to operate provisionally. ([Annex 2](#))

The head of the institution legally representing IOSUD UMF "Victor Babeș" in Timișoara is the Rector of UMF, and the collective governing body to which IOSUD is subordinated is the Senate of the University of UMFVBT.

The academic doctoral studies are organized by IOSUD UMF "Victor Babeș" of Timișoara in accordance with *the Law of National Education No. 1/2011*, Government Decision No. 681/2011 on the approval of the University *Doctorate Studies Code* and the Institutional Regulation for the organization and conduct of University *Doctoral Studies*. IOSUD-UMFVBT organizes and coordinates scientific doctoral programs that last 4 years, through the two Doctoral Schools, the Doctoral School of Medicine-Pharmacy and the Doctoral School of Dental Medicine, in part-time and full-time form, according to the law. Following the completion of the scientific doctoral studies and after the issuance of the order by the Minister of National Education and Scientific Research, IOSUD UMF "Victor Babeș" from Timișoara can award the diploma and title of doctor in sciences in the fields of medicine, dental medicine and pharmacy.

The University Doctoral Studies Organizing Institution (IOSUD) is headed by the Council for Academic Doctoral Studies (CSUD henceforth), as a collective governing body, and the I.O.S.U.D. Affiliated Doctoral Schools are headed by the Council of the Doctoral School (CSD).

The establishment of Doctoral Schools is proposed by the leadership of UMFVBT, is approved by the university senate and is approved by the CSUD. In the structure of a higher education institution, a doctoral school must have a rank equal to that of a department and may organize research centers or laboratories which function as revenue and expenditure units within the higher education institution, in accordance with the provisions of Article 131, Article 133 (1). And Article 134 of Law No. 1/2011.

The affiliation relations between the doctoral school and other University structures are established by the Institutional Regulation for the Organization and Conduct of Doctoral Programs.

https://www.umft.ro/category/csud/reglemenetari_csud/

The doctoral school is run by a director of the doctoral school and the Council of the Doctoral School (CSD). The director of the doctoral school shall be assimilated to the department director. The doctoral school board is assimilated to the council of the department. The doctoral school board is headed by the director of the doctoral school, who is appointed by the CSUD among the doctoral school's doctoral leaders and is a legal member of the doctoral school board.

The members of the Doctoral School Council, formed on the basis of this Regulation, must be academics or researchers, must have the right to conduct PhDs on a national level or abroad, and must meet the minimum and mandatory standards for the granting of the habilitation certificate at the time of their designation as members of the Doctoral School Council, as approved by the Order of the Minister of Education, National, in accordance with Article 219 para. (1) (a) of Law No 17/2002 of the European Parliament and of the Council of 22 December 2002 on the protection 1/2011.

According to the UMFVBT Senate Decision No.4/2957/15.03.2016 ([Annex3](#)), Prof. Univ. Dr. Tomescu Mirela Cleopatra is appointed as Interim Head of the Doctoral School of Medicine pertaining to UMFT's IOSUD.

After the elections with participation of the PhD leaders representing the Council of the Doctoral School, and according to the minutes of the 15th of Feb 2018 ([Annex 4](#)) as well as the minutes following the elections of a board member representing the Doctoral School students from the 18th of January 2018 ([Annex 5](#)) and according to the decision of the UMFVBT Senate No.40/5968/24.05.2018 ([Annex 6](#)), the composition of the Council of the Doctoral School of the UMFVBT's IOSUD for the 2016-2020 legislature is as follows:

Prof. Univ. Dr. Tomescu Mirela Cleopatra – Head of the CSD

Prof. Univ. Dr. Munteanu Mihnea - member

Prof. Univ. Dr. Boia Marioara - member

Prof. Univ. Dr. Puiu Maria - member

Tudor Pîrvănescu – PhD student, member

As a result of the validation of the Pharmacy doctoral domain by the General Council of the CNATDCU, from the 18th of July 2018, as well as ARACIS proposals, the MEN Order No.4209/31.07.2018 regarding the establishment of doctoral field in the institutions organizing university doctoral studies was issued, and published in the Official Gazette of Romania, Part I. ([Annex 7](#))

According to the UMFVBT Senate Decision No. 207/18470/18.12.2020 ([Annex 8](#)), as a result of the approval of the new Methodology on the election of the Head of the UMFT Doctoral School councils <https://www.umft.ro/reglementari-interne-csud/> and from the desire to include external persons in the respective structures, the Interim Council of the Doctoral School of Medicine and Pharmacy (CSD M-F), is composed as follows:

Prof. Univ. Dr. Tomescu Mirela Cleopatra – Head of the CSD

Prof. Univ. Dr. Munteanu Mihnea - member

Prof. Univ. Dr. Puiu Maria – member

Prof. Univ. Dr. Vlaia Lavinia - member

Prof. Univ. Dr. Alexa Ersilia Calina - member

Prof. Univ. Dr. Musuroi Sorin - member

Tudor Pîrvănescu – PhD student, member



Currently, according to the PV No.9678/ 17.05.2021, ([Annex 9](#)), the Doctoral School Council is composed of the following members:

Prof. Univ. Dr. Tomescu Mirela Cleopatra – Head of the CSD

Prof. Univ. Dr. Puiu Maria – member

Prof. Univ. Dr. Vlad Daliborca Cristina - member

Prof. Univ. Dr. Munteanu Mihnea - member

Prof. Univ. Dr. Vlaia Lavinia - member

Prof. Univ. Dr. Alexa Ersilia Calina - member

Prof. Univ. Dr. Musuroi Sorin - member

Zbîrcea Elena – PhD student, member

Huț Alexandru Romulus – PhD student, member

At Doctoral School level, administrative work is provided through the Doctoral School and CSUD Secretary Office, a structure currently consisting of two persons, responsible for the following specific tasks: secretary specific activities, correspondence work, updating of the Doctoral students and PhD leaders database, as well as other activities pertaining to the job description.

According to Art. 10 of the Institutional Regulation regarding the organization and *functioning of doctoral studies pertaining to the “Victor Babes” University of Medicine and Pharmacy of Timișoara*, the CSUD consists of 7 to 17 members, a member being elected by universal, direct, secret and equal vote from among the doctoral leaders of the IOSUD Doctoral Schools, as well as a member being elected by universal, direct, secret and equal vote from among the doctoral students of the IOSUD Doctoral Schools, and at least 50 % of the members being appointed by the Rector, as according to Article 9(2). (7) of the University Doctoral Studies Code. The Head of the CSUD is the executive director of IOSUD, being chosen from among the scientific personalities participating in a public competition organized for this specific position, as according to the law. The Rector shall signs a contract with the new head of the CSUD. The term of office pertaining to the CSUD shall be 4 years and the position of the Director of the CSUD shall be associated with that of the prorector, as stated in the Management contract No. 14184/08.10.2020 and additional clause No. 2035/08.10.2020 ([Annex 26](#)).

As a result of the elections for occupying vacant CSUD positions for PhD leaders, and according to the minutes of the 15th of October 2020 ([Annex 10](#)) and following the elections for the CSUD member representing the Doctoral students, according to the minutes of 06.11.2020 ([Annex 11](#)) and No. 183/17456/25.11.2020 and according to UMFVBT Senate Decision No. 206/18470/18.12.2020 ([Annex 12](#)), the CSUD is composed as follows:

Prof. Univ. Dr. Dehelean Cristina Adriana - Head of the CSUD, position obtained through a public contest <http://old.umft.ro/concurs-director-csud-2020> 853

Prof. Univ. Dr. Antal Diana Simona – member



Prof. Univ. Dr. Danciu Corina – member
Prof. Univ. Dr. Marian Catalin Valer – member
Prof. Univ. Dr. Muntean Mirela - Danina - member
Conf. Univ. Dr. Navolan Dan Bogdan – member
Prof. Univ. Dr. Porojan Liliana – member
Prof. Univ. Dr. Simu Mihaela Adriana – member
Prof. Univ. Dr. Stoian Dana Liana – member
Prof. Univ. Dr. Vlad Adrian Radu – member elected by vote
Dr. Togoe Marius Mihai – Phd student – member elected by vote

The admission of PhD students is regulated by the *UMFVBT Methodology on the organization of admission to doctoral studie*. <https://www.umft.ro/admitere-doctorat-2021/>

PhD students are admitted to doctoral programs using a standard contract (*Doctoral studies contract*), which can be found on the University's website, according to their specific study Domain, and approved by the Board of Directors and the University Senate for each year of study. https://www.umft.ro/category/csud/informatii_doctoranzi/

All documents necessary for conducting the doctoral studies are published on the university's website. UMF "Victor Babeș" provides, through the Doctoral School Secretary's Office, as well as the university's website, complete information regarding the PhD degree programs, available for PhD students, the University community and other interested persons alike.

The mechanisms used for decisions taking regarding the appropriateness, structure and content of the Study Program, based on advanced University Studies, are mentioned in the "*Victor Babeș*" University of Medicine and Pharmacy Doctoral School Regulation. https://www.umft.ro/category/csud/reglemenetari_csud/

Changes regarding the content of the program are made by CSD proposal only, with the approval of the CSUD.

1.1.2 The Medicine and Pharmacy Doctoral School's Mission

The Mission of the "Victor Babeș" University of Medicine and Pharmacy "Victor Babeș" is outlined in the University Charter, *Chapter II - Mission and objectives of UMF Victor Babeș*: (<https://www.umft.ro/?s=carta>)



1.1.3 Quality Certification Level of the Domain of Medicine pertaining to the Doctoral School of Medicine-Pharmacy – Prior ARACIS assessments.

UMF "Victor Babeș" was assessed twice by ARACIS (2007 and 2014). Following both evaluations, the Victor Babeș University of Medicine and Pharmacy of Timișoara received a high degree of confidence, according to the reports of the ARACIS Council of 29 July 2007([Annex13](#)) and 30 April 2014([Annex 14](#))

The quality of the two Doctoral Schools' University Study Programs is based on content, high scientific level and topicality, being coherently conceived, compatible with similar programs in Romania and the European Union as well. According to the University Doctoral Studies Code (HG 681/29.06.2011), the doctoral program is carried out only within the Doctoral School under the coordination of a Doctoral leader and includes:

- a training program based on **advanced university studies** (first year);
- an individual **scientific research** program (second, third and fourth year), according to LEN 1/2011.

Doctoral research is organized using the following criteria: objectives, material, methods and techniques used, selection as well as inclusion/exclusion criteria, and statistical processing methods. Detailing the steps used in the conduct of the doctoral research includes: defining activities in regard to the pursued objectives, in tight relation with a timetable that makes permits meeting the deadline imposed by the scientific research program, as well as measures taken for complying to bioethics rules pertaining to doctoral research.

The way in which the results are to be used includes estimating the accessible level for disseminating the results and identifying potential journals in the main stream of publications.

In order to ensure a coherent scientific path, the PhD student conducts presentations regarding the progress of his scientific research program before the guidance committee and the PhD leader, whose role is to guide, correct and support the scientific course of the PhD student. The minutes accompanied by the stage report/reference will be submitted to the doctoral student's personal file.

The scientific research programme shall be deemed to have been completed only after the support of at least 2 or 3 reports/references on the scientific research progress of the doctoral student.

The scientific research programme is carried out under the guidance of the PhD leader and the Guidance Committee.

The intermediate results of the research program are presented by the PhD student in order to be evaluated by the PhD leader and the Guidance Committee in the form of reports regarding the doctoral student's scientific research progress.

The evaluation of the quality of doctoral thesis, both in terms of compliance with quality standards in scientific research and drafting rules, is ensured at the level of the Doctoral School, Field of Medicine by the Council for Quality Assurance in Doctoral Research. Its composition is established by the Senate of the University of Medicine and Pharmacy Victor Babeș, by H.S. No.205/18470/18.12.2020 ([Annex 15](#)).

1.2. The Academic Doctoral Domain of Medicine

1.2.1 Mission and Objectives

The university of Medicine aspires to become a center of excellence in education, regarding the training of specialists in medical care, and finally, in research. The University's mission is to continuously promote and improve academic education and performance as well as to train competitive graduates who can easily integrate into the labor market in various health systems. Another essential goal would be to achieve a level of research activity that increases the international visibility of the University, thus allowing the validation of the proposed vision.

The student-centered medical education system practiced by the University of Medicine provides graduates with the acquisition of knowledge, skills and behavior that will subsequently allow them to exercise their medical profession on the basis of the values taken over and transmitted by the Timisoara medical school and thus to make their personal contribution to improving the state of health in the local, regional, national or international community to which they belong. , as well as to use their assimilated knowledge and skills to correctly manage complex medical cases. The professionalism and acquired skills, aim to contribute to the graduate's level of patient appreciation and trust, and also allow the graduate to contribute to the progress of science and medicine. The University of Medicine offers the possibility of specialization after completing bachelor's studies through medical residency, senior physician exams, postgraduate courses and traineeships for higher specialization and improvement; , respectively the possibility of obtaining skills and developing knowledge through various postgraduate courses within the framework of continuous medical education.

In this context, the main mission of UMFVBT is to train highly qualified specialized medical personnel. In carrying out the mission of the university, the theoretical and practical training of competent medical professionals, appropriate to the current and prospective requirements of the national health system, in accordance with European, international standards, is carried out to guarantee:

1. adequate knowledge and mastery of the sciences underlying ensuring a high level of medical professional training, physiological and behavioral functions in health and disease conditions, and the existing connections between health and the social environment;
2. sufficient knowledge of the professional profile and ethics, as well as the general principles of health care and exploration;



3. acquiring an adequate experience, under the guidance of highly qualified teaching and medical staff, for the best healthcare practice, teaching activity, scientific research, medical care and social assistance;
4. acquiring the necessary experience for optimal collaboration with other specialists and with the rest of the health care staff.

In correlation with the objectives of the University, the Doctoral School has **the following mission, vision and objectives:**

1. Creating a framework best suited for the acquisition, through carefully and rigorously designed courses in accordance with the latest and highest international standards, of practical skills necessary for scientific research projects.
2. Training PhD students in terms of skills needed to design, implement, and complete a scientific research project.
3. Developing the ethical and critical vision necessary to draft the doctoral thesis, as well as ensuring such an imperative competitive framework to achieve the demands of the international scientific environment.
4. Coordinating and supporting the activities necessary for quality scientific research, as well as advising PhD students throughout the drafting and finalization of the doctoral thesis project.
5. Ensuring a process of evaluation and continuous training of PhD leaders, as good and irreproachable pedagogues, respectable leaders of the local scientific community.

Through doctoral studies, our University ensures the development of additional skills in the field of scientific research, as well as the development of knowledge and application of research methodology and techniques, the skill of presenting and publishing research results at the highest level, the assumption of responsibilities related to the development of a research program, as well as the ability to critically address the achievements of other researchers. Through the inter-university partnership regarding the doctoral programmes, links are strengthened in the European Higher Education Area and the European Research Area, the objective being to increase the quality of research products and to jointly recognize titles.

1.2.2 Domain of Medicine Educational Plans

The University's Advanced Training Program is carried out according to the curriculum, and is 2 semesters long for the Medicine, Dental Medicine and Pharmacy Domains.

The curriculum for Doctoral Studies is in accordance with national and European standards and ensures PhD students acquire the adequate knowledge pertaining to the Doctoral Study Domains.



The aforementioned curriculum is conceived according to Procedure for development of university doctoral studies and curriculum of the `Victor Babes` University of Medicine and Pharmacy <https://www.umft.ro/reglementari-interne-csud/>.

The curriculum regarding doctoral studies includes compulsory disciplines, optional disciplines as well as the advanced scientific research project.

- Compulsory disciplines ensure that students accumulate the basic knowledge indispensable to their study domain.
- Optional disciplines allow emphasizing certain domains, in accordance with the specialization targeted by the student.

At the end of the advanced academic training year, PhD students must accumulate the necessary total number of credits, as provided for in the curriculum.

PhD students are guaranteed the right to free choice regarding the optional courses, in accordance with the current legal norms as well as the curriculum.

The completion of the study process is represented by examination, as provided for in the curriculum. The examination may be carried out in written, oral or other forms of knowledge assessment. The student is considered to have passed when, upon examination, one obtains grades ranging from minimum rating (satisfactory) to maximum rating (very good), as stated in the UMFVBT Examination and Scoring Regulation regarding PhD students . <https://www.umft.ro/reglementari-interne-csud/>.

The Education Plans regarding the Medicine, Dental Medicine and Pharmacy, Domains, as approved by the UMFVBT University Senate pertaining to the period spanning from october 2015 to october 2020, are as follows:

FIRST YEAR EDUCATION PLAN 2015-2016 DOCTORAL SCHOOL

UNIVERSITY		“VICTOR BABES” UNIVERSITY OF MEDICINE AND PHARMACY, TIMISOARA												
JERARHIZATION FUNDAMENTAL DOME		BIOLOGY AND BIOMEDICAL SCIENCES				STUDY PERIOD				4 YEARS				
SCIENTIFIC DOMAIN		MEDICINE / DENTAL MEDICINE				DOMAIN				MEDICINE / DENTAL MEDICINE				
DOMAIN OF ACADEMIC DOCTORAL STUDIES		MEDICINE / DENTAL MEDICINE				TRANSFERABLE STUDY CREDITS				60 (COMPULSORY)				
No.	Teaching activities Disciplines	Type	1 st Semester				2 nd Semester				University Total (28 weeks)			
	<i>D.F. Compulsory Disciplines</i>		Cs.	L.p..	CS T	Assessment	C s.	L. p..	CS T	Assessment	Cs.	L .p ..	with out.	C S T



1	I. Ethics of scientific research	D F	14	14	5	and	-	-	-	-	14	14	-	5
2	II. Grant projects and European projects	D F	14	14	5	and	-	-	-	-	14	14	-	5
3	III. Methodology of scientific research	D F	14	14	5	and	-	-	-	-	14	14	-	5
4	IV. Informatics and medical biostatistics	D F	-	-	-	-	14	14	5	and	14	14	-	5
<i>D.c..</i> <i>Optional disciplines (choice 2 of 5)</i>														
5	V. Documentation and drafting of the doctoral thesis	D C	-	-	-	-	14	14	5	and	14	14	-	5
6	VI. Public presentation of the results of scientific research	D C	-	-	-	-	14	14	5	and	14	14	-	5
7	VII. Classical and modern methods in cardiovascular research	D C	-	-	-	-	14	14	5	and	14	14	-	5
8	VIII. Biomedical applications of fundamental research	D C	-	-	-	-	14	14	5	and	14	14	-	5
9	IX. Applications of bioinformatics and molecular biochemistry in diagnosis and therapy	D C	-	-	-	-	14	14	5	and	14	14	-	5
	X.		42	42		3E	42	42		3E	84	84		
	XI. Total General		84				84				168			
	XII. Total hours/compulsory credits, semester/year				15				15					30

SCIENTIFIC RESEARCH PROJECT (mandatory): 30 credits **TOTAL COMPULSORY CREDITS / YEAR = 60 credits**

Explanatory Note: **DF**-fundamental discipline; **DC**-complementary discipline; **E**-exam; **C**-colloquium; **Cs**-course; **L.P.**-practical works; **Sem**-seminar; **CST**-transferable study credits

FIRST YEAR EDUCATION PLAN



2016-2017 DOCTORAL SCHOOL

UNIVERSITY	“VICTOR BABEȘ” UNIVERSITY OF MEDICINE AND PHARMACY, TIMIȘOARA		
JERARHIZATION FUNDAMENTAL DOME	BIOLOGY AND BIOMEDICAL SCIENCES	STUDY PERIOD	4 YEARS
SCIENTIFIC DOMAIN	MEDICINE / DENTAL MEDICINE	DOMAIN	MEDICINE / DENTAL MEDICINE
DOMAIN OF ACADEMIC DOCTORAL STUDIES	MEDICINE / DENTAL MEDICINE	TRANSFERABLE STUDY CREDITS	60 (COMPULSORY)

No .	Teaching activities Disciplines	Ty pe	1 st Semester				2 nd Semester				University Total (28 weeks)			
	<i>D.F. Compulsory Disciplines</i>		Cs.	L.p. .	CST	Verif form.	Cs.	L.p. .	CST	Verif form.	Cs.	L.p. .	with out.	C S T
1.	Methodology of scientific research	DF	14	14	5	and	-	-	-	-	14	14	-	5
2.	Ethics of Scientific Research	DF	14	14	5	and	-	-	-	-	14	14	-	5
3.	Biostatistics and medical informatics	DF	14	14	5	and	-	-	-	-	14	14	-	5
4.	Methodology of drafting and publishing scientific articles	DF	-	-	-	-	14	14	5	and	14	14	-	5
5.	Design and management of grant projects	DF	-	-	-	-	14	14	5	and	14	14	-	5
<i>D.C. Optional Disciplines (1 out of 5)</i>														
6.	Experimental models on laboratory animals	DC	-	-	-	-	14	14	5	and	14	14	-	5
7.	Writing of the doctoral thesis. Intellectual property.	DC	-	-	-	-	14	14	5	and	14	14	-	5
8.	Biomaterials and new technologies in medical research	DC	14	14	5	and	-	-	-	-	14	14	-	5
9.	Bioinformatics and genomics applied in medical research	DC	-	-	-	-	14	14	5	and	14	14	-	5
10	Updates in national and international medical research	DC	-	-	-	-	14	14	5	and	14	14	-	5
			42	42		3E	42	42		3E	84	84		
	General Total		84				84				168			
	Total hours/compulsory credits, semester/year				15				15					30

SCIENTIFIC RESEARCH PROJECT (mandatory): 30 credits **TOTAL COMPULSORY CREDITS**
/ YEAR = 60 credits



Explanatory Note: **DF**-fundamental discipline; **DC**-complementary discipline; **E**-exam; **C**-colloquium; **Cs**-course; **L.P.**-practical works; **Sem**-seminar; **CST**-transferable study credits
http://old.umft.ro/data_files/documente-atasate-sectiuni/2554/plan_20de_20invatamant_202016-2017.pdf

**FIRST YEAR EDUCATION PLAN
2017-2018 DOCTORAL SCHOOL**

UNIVERSITY	"VICTOR BABEȘ" UNIVERSITY OF MEDICINE AND PHARMACY, TIMIȘOARA		
JERARHIZATION FUNDAMENTAL DOME	BIOLOGY AND BIOMEDICAL SCIENCES	STUDY PERIOD	1st Year
SCIENTIFIC DOMAIN	MEDICINE / DENTAL MEDICINE	DOMAIN	MEDICINE / DENTAL MEDICINE
DOMAIN OF ACADEMIC DOCTORAL STUDIES	MEDICINE / DENTAL MEDICINE	TRANSFERABLE STUDY CREDITS	60 (COMPULSORY)

No.	Teaching activities Disciplines	Type	1st Semester				2nd Semester				University Total			
	<i>D.F. Compulsory Disciplines</i>		Cs.	L.p..	CST	Verif form.	Cs.	L.p..	CST	Verif form.	Cs.	L.p..	with out.	CST
1.	Methodology of scientific research	DF	1	1	5	and	-	-	-	-	14	14	-	5
2.	Ethics of Scientific Research	DF	1	1	5	and	-	-	-	-	14	14	-	5
3.	Biostatistics and medical informatics	DF	1	1	5	and	-	-	-	-	14	14	-	5
4.	Methodology of drafting and publishing scientific articles	DF	-	-	-	-	1	1	5	and	14	14	-	5
5.	Design and management of grant projects	DF	-	-	-	-	1	1	5	and	14	14	-	5
<i>D.C. Optional Disciplines (1 out of 5)</i>														
6.	Experimental models on laboratory animals	DC	-	-	-	-	1	1	5	and	14	14	-	5
7.	Writing of the doctoral thesis. Intellectual property.	DC	-	-	-	-	1	1	5	and	14	14	-	5
8.	Biomaterials and new technologies in medical research	DC	1	1	5	and	-	-	-	-	14	14	-	5
9.	Bioinformatics and genomics applied in medical research	DC	-	-	-	-	1	1	5	and	14	14	-	5



10	Updates in national and international medical research	DC	-	-	-	-	1	1	5	and	14	14	-	5
			3/4	3/4		3E/4E	2/3	2/3		2E/3E	84	84		
	General Total		6/8				4/6				168			
	Total hours/compulsory credits, semester/year				15/20				10/15					30

SCIENTIFIC RESEARCH PROJECT (mandatory): 30 credits TOTAL COMPULSORY CREDITS / YEAR = 60 credits

Explanatory Note: DF-fundamental discipline; DC-complementary discipline; E-exam; C-colloquium; Cs-course; L.P.-practicalworks; Sem-seminar; CST-transferable study credits
http://old.umft.ro/data_files/documente-atasate-sectiuni/4333/plan_20de_20invatamant_202017-2018.pdf

FIRST YEAR EDUCATION PLAN 2018-2019 DOCTORAL SCHOOL

UNIVERSITY	"VICTOR BABEȘ" UNIVERSITY OF MEDICINE AND PHARMACY, TIMISOARA		
JERARHIZATION FUNDAMENTAL DOME	BIOLOGY AND BIOMEDICAL SCIENCES	STUDY PERIOD	1st Year
SCIENTIFIC DOMAIN	MEDICINE / DENTAL MEDICINE	DOMAIN	MEDICINE / DENTAL MEDICINE/PHARMACY
DOMAIN OF ACADEMIC DOCTORAL STUDIES	MEDICINE / DENTAL MEDICINE	TRANSFERABLE STUDY CREDITS	60 (COMPULSORY)

No. crt.	Teaching activities Disciplines	Type	1st Semester				2nd Semester				University Total			
	<i>D.F. Compulsory Disciplines</i>		Cs.	L.p.	CST	Verif form.	Cs.	L.p.	CST	Verif form.	Cs.	L.p.	witho ut.	C S T
1.	Methodology of scientific research	DF	1	1	5	and	-	-	-	-	14	14	-	5
2.	Ethics od Scientific Research	DF	1	1	5	and	-	-	-	-	14	14	-	5
3.	Biostatistics and medical informatics	DF	1	1	4	and	-	-	-	-	14	14	-	4
4.	Methodology of drafting and publishing scientific articles	DF	-	-	-	-	1	1	5	and	14	14	-	5
5.	Design and management of grant projects	DF	-	-	-	-	1	1	4	and	14	14	-	4
6.	Ethics and academic integrity	DF	-	-	-	-	1	1	4	and	14	14	-	4
<i>D.C. Optional Disciplines (1 out of 5)</i>														



7.	Experimental models on laboratory animals	DC	-	-	-	-	1	1	3	and	14	14	-	3
8.	Writing of the doctoral thesis. Intellectual property.	DC	-	-	-	-	1	1	3	and	14	14	-	3
9.	Modern techniques in medical research	DC	-	-	-	-	1	1	3	and	14	14	-	3
10.	Bioinformatics and genomics applied in medical research	DC	-	-	-	-	1	1	3	and	14	14	-	3
11.	Updates in national and international medical research	DC	-	-	-	-	1	1	3	and	14	14	-	3
			3	3		3E	4	4		4E	98	98		
	General Total		6				8				196			
	Total hours/compulsory credits, semester/year				14				16					30

SCIENTIFIC RESEARCH PROJECT (mandatory): 30 credits TOTAL COMPULSORY CREDITS / YEAR = 60 credits

Explanatory Note: DF-fundamental discipline; DC-complementary discipline; E-exam; C-colloquium; Cs-course; L.P.-practicalworks; Sem-seminar; CST-transferable study credits

http://old.umft.ro/data_files/documente-atasate-sectiuni/4334/plan_20de_20invatamant_202018-2019.pdf

FIRST YEAR EDUCATION PLAN 2019-2020 DOCTORAL SCHOOL

UNIVERSITY	"VICTOR BABEȘ" UNIVERSITY OF MEDICINE AND PHARMACY, TIMISOARA		
JERARHIZATION FUNDAMENTAL DOME	BIOLOGY AND BIOMEDICAL SCIENCES	STUDY PERIOD	1st Year
SCIENTIFIC DOMAIN	MEDICINE / DENTAL MEDICINE/PHARMACY	DOMAIN	MEDICINE / DENTAL MEDICINE/PHARMACY
DOMAIN OF ACADEMIC DOCTORAL STUDIES	MEDICINE / DENTAL MEDICINE/PHARMACY	TRANSFERABLE STUDY CREDITS	60 (COMPULSORY)

N o. crt .	Teaching activities Disciplines	Ty pe	1st Semester				2nd Semester				University Total			
	D.F. Compulsory Disciplines		Cs.	L.p..	CST	Verif form.	Cs.	L.p. .	CST	Verif form.	Cs.	L. p..	wit hou t.	CS T
1.	XIII. Methodology of scientific research	DF	1	1	5	and	-	-	-	-	14	14	-	5



2.	XIV. Ethics of Scientific Research	DF	1	1	5	and	-	-	-	-	14	14	-	5
3.	XV. Biostatistics and medical informatics	DF	1	1	4	and	-	-	-	-	14	14	-	4
4.	XVI. Methodology of drafting and publishing scientific articles	DF	-	-	-	-	1	1	5	and	14	14	-	5
5.	XVII. Design and management of grant projects	DF	-	-	-	-	1	1	4	and	14	14	-	4
6.	XVIII. Ethics and academic integrity	DF	-	-	-	-	1	1	4	and	14	14	-	4
<i>D.C. Optional Disciplines (1 out of 5)</i>														
7.	XIX. Experimental models in translational research	DC	-	-	-	-	1	1	3	and	14	14	-	3
8.	XX. Writing of the doctoral thesis. Intellectual property.	DC	-	-	-	-	1	1	3	and	14	14	-	3
9.	XXI. Modern techniques in medical research	DC	-	-	-	-	1	1	3	and	14	14	-	3
10.	XXII. Bioinformatics and genomics applied in medical research	DC	-	-	-	-	1	1	3	and	14	14	-	3
11.	XXIII. Updates in national and international medical research	DC	-	-	-	-	1	1	3	and	14	14	-	3
	XXIV.		3	3		3E	4	4		4E	98	98		
	XXV. General Total		6				8				196			
	XXVI. Total hours/compulsory credits, semester/year				14				16					30

SCIENTIFIC RESEARCH PROJECT (mandatory): 30 credits TOTAL COMPULSORY CREDITS / YEAR = 60 credits

Explanatory Note: DF-fundamental discipline; DC-complementary discipline; E-exam; C-colloquium; Cs-course; L.P.-practicalworks; Sem-seminar; CST-transferable study credits



http://old.umft.ro/data_files/documente-atasate-sectiuni/5824/plan_20de_20invatamant_202019-2020_20.pdf

**FIRST YEAR EDUCATION PLAN
2020-2021 DOCTORAL SCHOOL**

UNIVERSITY	"VICTOR BABES" UNIVERSITY OF MEDICINE AND PHARMACY, TIMISOARA		
JERARHIZATION FUNDAMENTAL DOME	BIOLOGY AND BIOMEDICAL SCIENCES	STUDY PERIOD	1st Year
SCIENTIFIC DOMAIN	MEDICINE / DENTAL MEDICINE/PHARMACY	DOMAIN	MEDICINE / DENTAL MEDICINE/PHARMACY
DOMAIN OF ACADEMIC DOCTORAL STUDIES	MEDICINE / DENTAL MEDICINE/PHARMACY	TRANSFERABLE STUDY CREDITS	60 (COMPULSORY)

N o. crt .	Teaching activities Disciplines	tip	1st Semester				2nd Semester				University Total			
	<i>D.F. Compulsory Disciplines</i>		Cs.	L.p..	CST	Verif form.	Cs.	L.p. .	CST	Verif form.	Cs.	L. p..	wit hou t.	CS T
1.	XXVII. Methodology of scientific research	DF	1	1	5	and	-	-	-	-	14	14	-	5
2.	XXVIII. Ethics od Scientific Research	DF	1	1	5	and	-	-	-	-	14	14	-	5
3.	XXIX. Biostatistics and medical informatics	DF	1	1	4	and	-	-	-	-	14	14	-	4
4.	XXX. Methodology of drafting and publishing scientific articles	DF	-	-	-	-	1	1	5	and	14	14	-	5
5.	XXXI. Design and management of grant projects	DF	-	-	-	-	1	1	4	and	14	14	-	4
6.	XXXII. Ethics and academic integrity	DF	-	-	-	-	1	1	4	and	14	14	-	4
<i>D.C. Optional Disciplines (1 out of 5)</i>														
7.	XXXIII. VII.Experiment al models in translational research	DC	-	-	-	-	1	1	3	and	14	14	-	3
8.	XXXIV. Cummmunication , public speaking and poster presentation	DC	-	-	-	-	1	1	3	and	14	14	-	3



9.	XXXV. Modern techniques in medical and pharmaceutical research	DC	-	-	-	-	1	1	3	and	14	14	-	3
10	XXXVI. Bioinformatics and genomics applied in medical research	DC	-	-	-	-	1	1	3	and	14	14	-	3
11	XXXVII. Evidence-based medicine	R	-	-	-	-	1	1	3	and	14	14	-	3
	XXXVIII.		3	3		3E	4	4		4E	98	98		
	XXXIX. General Total		6				8				196			
	XL. Total hours/compulsory credits, semester/year				14				16					30

SCIENTIFIC RESEARCH PROJECT (mandatory): 30 credits TOTAL COMPULSORY CREDITS / YEAR = 60 credits

Explanatory Note: DF-fundamental discipline; DC-complementary discipline; E-exam; C-colloquium; Cs-course; L.P.-practicalworks; Sem-seminar; CST-transferable study credits

http://old.umft.ro/data_files/documente-atasate-sectiuni/7046/plan_20de_20_c3_aenv_c4_83_c5_a3_c4_83m_c3_a2nt_202020-2021.pdf

1.2.3. PhD Leaders pertaining to the Domain of Medicine

The Domain of Medicine pertaining to the Doctoral School of Medicine and Pharmacy currently employs 83 PhD leaders (quality obtained according to the law). Their evolution during the evaluated period(2016-2020) can be found in tab 1. and fig. 1.

Within the Field of Medicine, the 83 PhD leaders are affiliated with the Doctoral School, as asserted in a report from 2021. Of the 81 PhD leaders affiliated to the Field of Medicine (between Oct. 2015 and October 2020), more than 70% of them meet the minimum CNATDCU standards currently used, necessary and mandatory for obtaining the habilitation certificate (Table 2.) (**ANNEX 16a**)

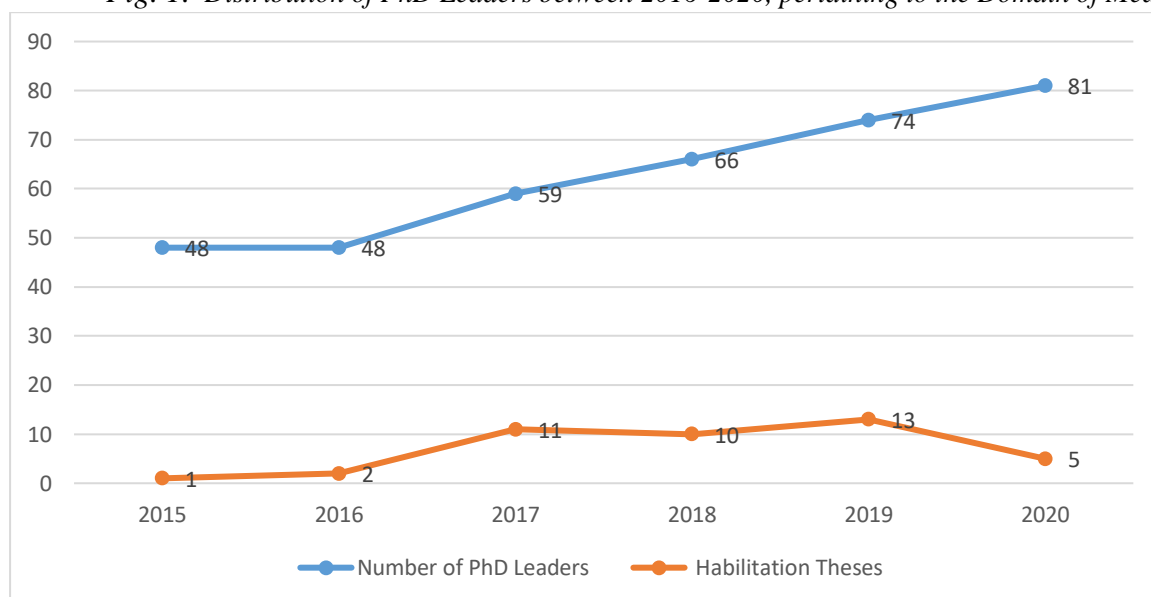
There are currently no PhD leaders who are not accepted as members of the Doctoral School.

Tab. 1 Distribution of PhD Leaders between 2016-2020, pertaining to the Domain of Medicine

Year	2015	2016	2017	2018	2019	2020
Doctors						
Number of PhD Leaders	48	48	59	66	74	81
Habilitation Theses	1	2	11	10	13	5

https://www.umft.ro/facultati/csud/csud_componenta-csud-si-descriere/

Fig. 1. Distribution of PhD Leaders between 2016-2020, pertaining to the Domain of Medicine



Tab. 2. Mandatory CNATDCU minimal standards for obtaining PhD Leader certificate of habilitation, amongst the PhD Leaders pertaining to the UMFVBT IOSUD Doctoral School, Domain of Medicine

No.cr t	Position	PhD Leader name	Ministry Order confirming habilitation	Ministry Order confirming position as PhD Leader	Domain	Meets CNATDCU Minimal Standards YES/NO
1	Prof. Univ. Dr.	Anghel Andrei		479/05.03.20 07	Medicine	YES
2	Prof. Univ. Dr.	Ardeleanu Elena Aurora*		5658/12.12.2 005	Medicine	NO
3	Conf. Univ. Dr.	Andreescu Nicoleta Ioana	5344/25.11. 2019		Medicine	YES



4	Prof. Univ. Dr.	Anastasiu Doru Mihai*		4631/04.08.2 010	Medicine	No
5	Prof. Univ. Dr.	Balica Nicolae Constantin	5714/30.12. 2019		Medicine	YES
6	Conf. Univ. Dr.	Bernad Elena Silvia	3403/22.03. 2018		Medicine	YES
7	Conf. Univ. Dr.	Bob Flaviu Raul	5470/04.12. 2019		Medicine	YES
8	Prof. Univ. Dr.	Boia Eugen Sorin		4697/14.08.2 009	Medicine	YES
9	Prof. Univ. Dr.	Boia Marioara	4168/21.06. 2017		Medicine	YES
10	Prof. Univ. Dr.	Borza Claudia	5717/27.12. 2017		Medicine	YES
11	Prof. Univ. Dr.	Bratu Ion Tiberiu**		5658/12.12.2 005	Medicine	YES
12	Prof. Univ. Dr.	Brad Silviu		4631/04.08.2 010	Medicine	NO
13	Prof. Univ. Dr.	Cîmpean Anca Maria	5633/11.12. 2013		Medicine	YES
14	Conf. Univ. Dr.	Cozma Dragoș Constantin	5715/30.12. 2019		Medicine	YES
15	Prof. Univ. Dr.	Craina Marius Lucian	4169/21.06. 2017		Medicine	YES
16	Prof. Univ. Dr.	Dragan Simona Ruxanda		4631/04.08.2 010	Medicine	YES
17	Prof. Univ. Dr.	Dema Alis Liliana Carmen		4631/04.08.2 010	Medicine	YES
18	Prof. Univ. Dr.	Doros Gabriela Simona	3819/04.06. 2018		Medicine	YES
19	Prof. Univ. Dr.	Dumitrașcu Victor		4697/14.08.2 009	Medicine	YES
20	Prof. Univ. Dr.	Enache Alexandra		5844/04.11.2 008	Medicine	No



21	Prof. Univ. Dr.	Gaiță And Ion		5842/04.11.2 008	Medicine	YES
22	Conf. Univ. Dr.	Jacob Daniela	5806/16.10. 2020		Medicine	YES
23	Prof. Univ. Dr.	Ilie Constantin *		6046/02.12.2 009	Medicine	NO
24	Prof. Univ. Dr.	Ionac Mihai Edmond		4807/17.08.2 005	Medicine	YES
25	Prof. Univ. Dr.	Ioniță Hortensia*		4211/20.07.2 000	Medicine	NO
26	Prof. Univ. Dr.	Jianu Adelina Maria	5716/30.12. 2019		Medicine	YES
27	Prof. Univ. Dr.	Jianu Dragoș Catalin	5807/16.10. 2020		Medicine	YES
28	Prof. Univ. Dr.	Lazarus Octavian Lightning*		4631/04.08.2 010	Medicine	YES
29	Prof. Univ. Dr.	Licker Monica Sorina		4631/04.08.2 010	Medicine	YES
30	Prof. Univ. Dr.	Lighezan Daniel Florin	5777/27.12. 2017		Medicine	YES
31	Prof. Univ. Dr.	Marian Catalin Valer	5156/28.09. 2017		Medicine	YES
32	Prof. Univ. Dr.	Marincu Joseph**	4403/19.07. 2017		Medicine	YES
33	Prof. Univ. Dr.	Matusz Petru		4211/20.07.2 000	Medicine	YES
34	Prof. Univ. Dr.	Marginean Otilia	3820/04.06. 2018		Medicine	YES
35	Prof. Univ. Dr.	Mederle Ovidiu	4302/20.06. 2019		Medicine	YES
36	Conf. Univ. Dr.	Mornoș Cristian	5717/30.12. 2019		Medicine	YES
37	Prof. Univ. Dr.	Motoc Andrei		4963/31.07.2 008	Medicine	YES



		Gheorghe Marius				
38	Prof. Univ. Dr.	Motoc Marilena		5842/04.11.2008	Medicine	YES
39	Prof. Univ. Dr.	Muntean Mirela - Danina	5798/27.12.2017	4963/31.07.2008	Medicine	YES
40	Prof. Univ. Dr.	Munteanu Mihnea	3709/13.04.2017		Medicine	YES
41	Conf. univ. dr.	Navolan Dan Bogdan		4104MD/05.07.2013	Medicine	YES
42	Prof. Univ. Dr.	Neagu Adrian		3656/10.04.2009	Medicine	YES
43	Prof. Univ. Dr.	Nussbaum Laura Alexandra	5508/14.11.2018		Medicine	YES
44	Prof. Univ. Dr.	Oancea Cristian Iulian	5509/14.11.2018		Medicine	YES
45	Prof. Univ. Dr.	Olariu Tudor Ovidiu Rareș		4697/14.08.2009	Medicine	YES
46	Prof. Univ. Dr.	Olariu Sorin**	5157/28.09.2017		Medicine	YES
47	Prof. Univ. Dr.	Panaïtescu Carmen		4963/31.07.2008	Medicine	YES
48	Prof. univ. dr.	Pătrașcu Jenel Marian	4170/21.06.2017		Medicine	YES
49	Prof. Univ. Dr.	Păunescu Virgil		3867/17.05.2004	Medicine	YES
50	Prof. Univ. Dr.	Pescariu Sorin*		5268/05.09.2011	Medicine	NO
51	Prof. Univ. Dr.	Petrescu Lucian		5268/05.09.2011	Medicine	YES
52	Prof. Univ. dr.	Petrica Ligia	4209/10.06.2015		Medicine	YES
53	Conf. Univ. Dr.	Pirtea Laurențiu Cornel	4119/28.05.2019		Medicine	YES



54	Conf. univ. dr.	Pleș Horia**	4303/20.06. 2019		Medicine	YES
55	Prof. Univ. Dr.	Poenaru Dan*		4211/20.07.2 000	Medicine	NO
56	Prof. Univ. Dr.	Poenaru Marioara*		4629/07.09.2 004	Medicine	YES
57	Prof. Univ. Dr.	Popescu Simona Alina	3834/01.04. 2019		Medicine	YES
58	Prof. Univ. Dr.	Popoiu Calin Marius	4120/28.05. 2019		Medicine	YES
59	Prof. Univ. Dr.	Puiu Maria		4631/11.08.2 010	Medicine	YES
60	Prof. Univ. Dr.	Raica Marius		4211/20.07.2 000	Medicine	YES
61	Prof. Univ. Dr.	Romosan Ioan**		4741/21.10.1 999	Medicine	NO
62	Prof. Univ. Dr.	Rotaru Maria	5158/28.09. 2017		Medicine	YES
63	Prof. Univ. Dr.	Sas Ioan	4121/28.05. 2019		Medicine	YES
64	Prof. Univ. Dr.	Sandesc Dorel		5268/05.09.2 011	Medicine	YES
65	Prof. Univ. Dr.	Schiller Adalbert**	3756/13.04. 2017		Medicine	YES
66	Prof. Univ. Dr.	Solovan Caius Silviu		4697/14.08.2 009	Medicine	NO
67	Prof. Univ. Dr.	Simu Mihaela Adriana**		4631/04.08.2 010	Medicine	YES
68	Prof. Univ. Dr.	Sporea Ioan		4629/07.09.2 004	Medicine	YES
69	Prof. Univ. Dr.	Stoian Dana Liana	4296/08.08. 2018		Medicine	YES
70	Prof. Univ. Dr.	Șirli Roxana Lucia Denisa	3821/04.06. 2018		Medicine	YES
71	Prof. Univ. Dr.	Șșu Eugen Nicolae Vintilă*		4631/04.08.2 010	Medicine	YES

72	Prof. Univ. Dr.	Timar Romulus Bogdan	5510/14.11. 2018		Medicine	YES
73	Prof. Univ. Dr.	Timar Romulus Zorin**	3757/13.04. 2017		Medicine	YES
74	Prof. Univ. Dr.	Tomescu Mirela Cleopatra		4807/17.08.2 005	Medicine	YES
75	Prof. Univ. Dr.	Tudorache Voicu Mircea*		5658/12.12.2 005	Medicine	NO
76	Prof. Univ. Dr.	Ursoniu Sorin	3404/22.03. 2018		Medicine	YES
77	Prof. Univ. Dr.	Vermeșan Dinu Valeriu	3822/04.06. 2018		Medicine	YES
78	Prof. Univ. Dr.	Vlad Daliborca Cristina	5808/16.10. 2020		Medicine	YES
79	Prof. Univ. Dr.	Vlad Mihaela Maria	4639/30.07. 2019		Medicine	YES
80	Prof. Univ. Dr.	Vlad Adrian Radu	5471/04.12. 2019		Medicine	YES
81	Prof.univ. dr.	Vladescu Cristian		3867/17.05.2 004	Medicine	YES
82	Prof. Univ. Dr.	Vlaicu Brighita Elisabeth**		3573/19.04.2 002	Medicine	YES
83	Prof. Univ. Dr.	Zăhoi Delia		6046/02.12.2 009	Medicine	No

Of the total PhD leaders, more than 80% are IOSUD-UMFVBT tenured professors, whereas 10 (12%) are not tenured professors, on the grounds of retirement, yet have an individual contract of fixed-term employment concluded with UMFVBT for the support and completion of the activity of doctoral students at various stages of studies (tab.3), and there are 2 leaders affiliated with the University. (Table 4)) ([Annex 17](#))

Tab. 3. Non-tenured Professors, on the ground of retirement

No.crt	Position	PhD Leader name	Ministry Order confirming position of PhD Leader
1	Prof. Univ. Dr.	Ardeleanu Elena Aurora*	5658/12.12.2005
2	Prof. Univ. Dr.	Anastasiu Doru Mihai*	4631/04.08.2010
3	Prof. Univ. Dr.	Ilie Constantin*	6046/02.12.2009
4	Prof. Univ. Dr.	Ioniță Hortensia*	4211/20.07.2000
5	Prof. Univ. Dr.	Lazarus Octavian Lightning*	4631/04.08.2010
6	Prof. Univ. Dr.	Pescariu Sorin*	5268/05.09.2011
7	Prof. Univ. Dr.	Poenaru Dan*	4211/20.07.2000
8	Prof. Univ. Dr.	Poenaru Marioara*	4629/07.09.2004
9	Prof. Univ. Dr.	Șșu Eugen Nicolae Vintilă*	4631/04.08.2010
10	Prof. Univ. Dr.	Tudorache Voicu Mircea*	5658/12.12.2005

Table 4

Nume conducator doctorat
1. Prof.dr. Rotaru Maria
2.Prof.dr. Vladescu Cristian

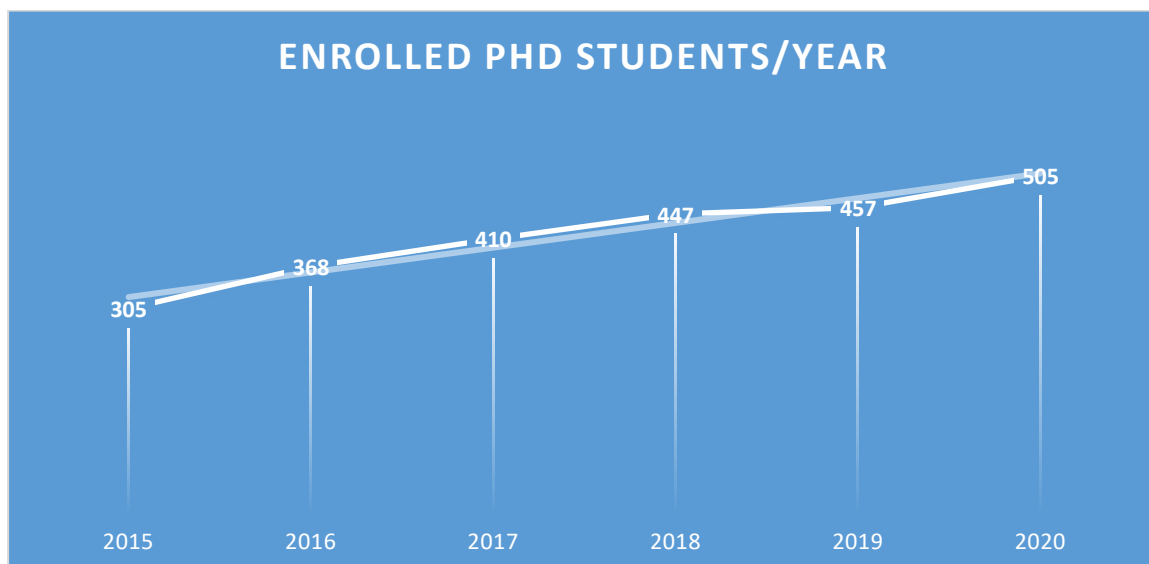
1.2.4. PhD Students pertaining to the Domain of Medicine

There is a steady increase regarding the number of Doctoral students enrolled in the Doctoral School, domain of medicine. (Table 5, fig. 2) ([Annex 18](#))

Tab. 5 PhD students enrolled between Oct 2015 and October 2020, Domain of Medicine

Year	2015	2016	2017	2018	2019	2020
Domain of Medicine	305	368	410	447	457	505

Fig. 2, PhD students enrolled between Oct 2015 and October 2020, the field of Medicine



Enrollment and registration of PhD students, 2015-2020

PhD Studies				
Domain of Medicine	Full time with scholarship	Part time without scholarship	Full time without scholarship	Full time, with tax
2015-2016	10	-	10	73
2016-2017	10	-	10	71
2017-2018	10	-	12	88
2018-2019	9	8	2	126
2019-2020	9	-	10	55
2020-2021	10	-	10	90

1.2.5 Scientific achievements of PhD students, Domain of Medicine

The activity report of the Medicine-Pharmacy CSD regarding the cycle of doctoral studies for 1st year PhD Students October 2019- 1 October 2020 assesses their scientific and academic activity. ([Annex 19](#))

PhD students have also shown interest regarding **teaching activities**, 54 of them also carrying out a rich didactic activity at the level of the disciplines of the university of Medicine and Pharmacy Timișoara, as emphasized by Medicine-Pharmacy CSD Activity Report regarding the cycle of doctoral studies for the 1st year PhD Students, 1 October 2019- 1 October 2020.

The number of doctoral theses conducted within the UMFVBT in the last 5 years (01.10.2015-30.09.2020), corresponding to the domain of Medicine, can be found in tab. 6, the table showing a constant evolution of their numbers.

Tab. 6. Distribution by year of the number of doctoral theses, field of Medicine.

Year	2015/ 2016	2016/ 2017	2017/ 2018	2018/ 2019	2019/ 2020
Domain of Medicine					
Number of doctoral theses	20	35	22	34	38

Thus, during the reporting period, a total of 149 doctoral theses were conducted pertaining to Doctoral School of Medicine and Pharmacy's Domain of Medicine, of which 3 were conducted under joint-supervisor, as well as 12 theses drafted and presented in English.

In order to obtain the title of PhD Graduate, the articles published in extenso by the student must pertain to the research theme of the doctoral thesis. The PhD student is required to declare his affiliation with UMFVBT in all published works during his or her doctoral studies.

Regarding the Domain of Medicine, between 2015 and 2020 there were 3 doctoral theses that were met by a CNATDCU decision to postpone/ bring amendments to the file.

Regarding the Domains of Medicine and Dental Medicine, no doctoral theses have been definitively invalidated, without the right of recovery. ([Annex 20](#)).

To date, no major problems with doctoral thesis have been raised in umfVBT doctoral schools and there are no definitively invalidated theses.

During the reporting period, PhD students who completed their thesis published and reported articles in ISI-listed journals with impact factor and articles in BDI journals in their doctoral papers. (Table Annex)

Year	2016	2017	2018	2019	2020	TOTAL
medicine	108	96	108	120	94	526

1.2.6 Medical Domain Research Centers

PhD students can carry out their scientific work in the Research Centers and laboratories, which are well equipped with modern computational hardware, with internet

access, as well as access to databases (Enformation, WoS), and special equipment, specific to each area of interest.

There are currently resources for the financial support of PhD students, through the annual award of 10 scholarships of at least 6 months' worth 5000 euros each.

In addition to these amounts allocated from the IOSUD budget, the decision of the Board of Directors of 08.01.2019 decided the reorganization of grant internal research grants (including PhDs) These scholarships will be awarded through competition with external evaluation and will be financed from the UMFVBT budget.

PhD students of the Doctoral School of Medicine can carry out their scientific research work in the following **advanced research centers and methodological research centers**. ([Annex 21](#))

Centre advanced research

1. Center for Translational Research and Systems Medicine (CERT-MEDS)/ Center for Translational Research and Systems Medicine, Center Director Prof. Dr. Danina Muntean
2. Molecular Research Center in Nephrology and Vascular Pathology, Center Director Prof. Dr. Ligia Petrică
3. Advanced Instrumental Screening Center (AISC), Center Director Prof. Dr. Adriana Ledeti
4. Research Center in Angiogenesis/ Angiogenesis research center, Timisoara (ANGIOTM), center director Prof. Dr. Marius Raica
5. Genomic-GENOMICA Research Center, Center Director Prof. Dr. Maria Puiu 68.77 points
6. Center of the Institute of Cardiovascular Diseases Timisoara, center director Prof. Dr. Dan Gaiță
7. Center for Research and Innovation in Personalized Respiratory Disease Medicine (CCIMBR)/Center for Research and Innovation in Precision Medicine of Respiratory Diseases (CRIPMR), director of the center Conf. Dr. Ovidiu Fira-Madmittescu

Center research methodologies

1. Advanced research center in gastroenterology and hepatology, center director Prof. Dr. Ioan Sporea
2. Researching future Chirurgie 2 (CHIR2), center director S.I. Dr. Amadeus Dobrescu
3. Center for Complex Network Science (CSRC), Center Director Conf. Dr. Ovidiu Sirbu



4. Multidisciplinary Heart Research Center/ Multidisciplinary Heart Research Center, Center Director Prof. Dr. Mirela Tomescu
5. Cognitive Research Center in Neuropsychiatric Pathology – NEUROPSY-COG, Center Director Prof. Dr. Catalin Jianu
6. Center of Immunophysiology and Biothehnologies Timisoara (CIFB), center director Prof. Dr. Carmen Panaitescu
7. Center for Biological Systems Modeling and Data Analysis, Center Director Prof. Dr. Diana Lungeanu
8. Research Center in Abdominal Surgery and Phlabology, Center Director Prof. Dr. Sorin Olariu
9. Center for Research in Anesthesia and Intensive Care (CC-ATI), center director Prof.Dr. Dorel Sandesc
10. ANAPATMOL Research Center, Center Director Prof.Dr. Alis Ema
11. Methodological and research center in neuroscience, center director Conf. Dr. Andrei Brinzeu
12. Center for Advanced Research in Cardiovascular Pathology and Hemostasis, Center Director Prof. Dr. Daniel Lighezan
13. Center for Methodological and Infectious Disease Research (CMCBI), center director Prof. Dr. Iosif Marincu
14. University Professor Center Dr. Teodor Sora, Center Director Prof. Dr. Jenel Patrascu
15. Sensory-tumor research center Ophthalmo-ORL-EYE-ENT, center director Prof. Dr. Mihnea Muntean
16. Research Center for Growth and Developmental Disorders in Children (CRED), Center Director Prof. Dr. Otilia Marginean
17. Center for Studies in Preventive Medicine, Center Director Prof. Dr. Brighitha Vlaicu
18. Center for The Assessment of Functionality and Disabilities Movement (CEMFD), Center Director Conf. Dr. Roxana Onofrei
19. Center for Hepato-Bilio-Panncreatic Surgery (CHBP), Center Director As. univ. Dr. Florin Hut
20. Center for diagnosis and study of parasitic diseases, director of center Prof. Dr. Rareș Tudor Olariu
21. Thoracic Surgery Research Center, Center Director S.I.Dr. Ovidiu Burlacu
22. Morphological Skin Research Center, Center Director Prof. Dr. Caius Solovan
23. Multidisciplinary Research Center for Malignant Hemopathies (CCMHM), Center Director Conf. Dr. Ioana Ionita
24. Center for Neuropsychology and Behavioral Medicine, Center Director Conf. Dr. Lavinia Hoge
25. University Sports Center for Fitness Assessment, Center Director Conf. Dr. Doina Elena Mircioagă
26. Center for Applied Language Research and Comparative Cultural Studies, Center Director Conf. Dr. Gabriela Luca



27. Center for Preventive Medicine, center director Șusan Răzvan
28. Medical Communication Research Center/Research Center for Medical Communication, Director Center Conf. Dr. Codrina Mihaela Evai
29. Breast Surgery Research Center (CCCS), Center Director Prof. Dr. Mazilu Octavian
30. Centre for Ethics in Human Genetic Identifications (EtIGen), Center Director Prof. Dr. Enache Alexandra
31. Research Center in Vascular and Endovascular Surgery (CerVase), Center Director Prof. Dr. Mihai Ionac

The University possesses a website (www.umft.ro) in the Romanian, English and French languages, which includes all the information regarding the university's management, a short history of the university, the locations of the disciplines and clinics where the teaching and practical activities are carried out. Also from the university's website, visitors can receive information regarding research activity, scientific events of major interest, international cooperation programs, exchange of students and teachers, all of which aim to increase the quality of the educational process. The website is structured to allow the user quick access to the desired information. We consider the offer of constantly updated information for visitors and potential future students of particular importance, so the text is accessible and to the point. <https://www.umft.ro/category/admitere/programe-de-doctorat/>

Regarding the purchase of equipment necessary for the conduct of scientific research activities, the Medical Apparatus and Material Service operates within the General Administrative Department

According to the investment list of 14/12/2020, the following equipment has been purchased from the University's own sources of income: ([Annex 22](#))

1.3. Internal quality assurance system of the Domain of Medicine

The institutional framework necessary for monitoring quality is assured by several specific structures, policies and strategies for quality management regarding the processes of teaching, learning, research, administrative and ancillary activities. Within the university, the Quality Assurance and International Relations Prorectorate is the main structure responsible for the elaboration and implementation of the quality assessment and assurance system. The quality assurance system within the CSUD and the CSD related to the Medicine field is in direct contact with the Quality Assurance Department of UMFVBT.

The evaluation of the quality of doctoral theses, both in terms of compliance with quality standards in scientific research and drafting rules, is ensured at the level of the Doctoral



School, Domain of Medicine by the Quality Assurance Committee in Doctoral **Research**. Its structure is established by the Senate of the University as stated by H.S. No.205/18470/18.12.2020 ([Annex 15](#)), and has the following composition:

Prof. Univ. Dr. Dehelean Cristina Adriana

Prof. Univ. Dr. Muntean Mirela - Danina

Prof. Univ. Dr. Tomescu Mirela Cleopatra

Prof. Univ. Dr. Sinescu Cosmin

Dr. Tsogoe Marius Mihai – student-doctor

https://www.umft.ro/facultati/csud/csud_componenta-csud-si-descriere/

The Internal Quality Assurance Committee proposes solutions and strategies to improve the quality of doctoral research and closely follows quality standards and trans institutional performance indicators in the medical-pharmaceutical field in Romania and Europe. The above-mentioned operational structures, by the specific nature of the activities carried out, contribute to the promotion of a pro-quality culture in the university.

The Internal Quality Assurance Committee has the following main objectives:

1. Permanent implementation of the quality assurance system at IOSUD UMFVBT level
2. Development and coordination of procedures and specific activities regarding internal quality assurance
3. Formulating proposals to improve teaching and research skills in the Doctoral schools
4. Review and analysis of the quality of the work of PhD leaders and PhD students
5. Ensuring cooperation with the Quality Assurance Commission at University level
6. Development of databases specific to the follow-up of the work of PhD students and PhD leaders
7. Application of evaluation questionnaires and other specific activities.

1.3.1 Quality assurance policies and the definition of procedures, beneficiaries and their responsibilities;

The quality assurance policies pursue two distinct aspects: adequate training of PhD students to carry out a scientific research activity, but also a high-quality publishing activity, respecting all ethic principles.

The beneficiaries of these policies are primarily PhD students who go through a correct and serious training process in the field of research, but also the doctoral leaders who can transmit and make the most of what they have acquired through experience. Our Institution is very close to its beneficiary regarding these aspects by providing multi-direction funding, namely sponsoring ISI articles, participating in conferences, securing PhD grant competitions, etc..



Cross-assessment of the doctoral and habilitation theses by the members of the CSUD and CSD, some members of the CNATDCU ensure fulfilled responsibility.

Each Thesis has been verified regarding copyright infringements using the platform provided by *sistemantiplagiat.ro*. The system operator has to examine the similitude report in order to track possible content copied in an unauthorized fashion, and the thesis must meet the following criteria:

1. similarity coefficient 1 does not exceed 50%
2. similarity coefficient 2 does not exceed 5%
3. absence of unauthorized similarities ('alert')

Based on the analysis of the similarity report, the system operator will conceive the "Assessment of the originality of the work". The verification period may not exceed 30 days from the date of submission of the doctoral thesis to the Doctoral School Secretary office.

For a detailed, comprehensive assessment of the doctoral thesis, in addition to the application of anti-plagiarism measures, the CSUD and CSD delegate 2 members who must thoroughly analyse all the requirements related to the doctoral thesis. They issue (Annex 24), and also verify the structure of the doctoral thesis presentation committee, which can only then be voted by the CSD.

1.3.2. Participation of staff, PhD students and external stakeholders in the quality assurance process;

All members of the CSUD and CSD pertaining to the Doctoral School of Medicine and Pharmacy, Domain of Medicine, are involved in all activities within the doctoral schools. The assessment of the doctoral thesis as well as the habilitation thesis conducted at UMFVBT level in a complex and assumed way. Assessments are made, even local level, by at least two PhD Leaders appointed by the CSUD Director, from among the CSUD or CSD. The coordinator of the Research Ethics Commission also teaches the aforementioned specific class to Doctoral students, thus ensuring from the beginning of their doctoral activity a good comprehension of knowledge. The Quality Assurance Committee of the UMFVBT IOSUD's CSUD must also include in its composition a doctoral student.

The evaluation of the Doctoral School by the Doctoral leaders is complementary to the evaluation of the doctoral school courses by the PhD students and the evaluation of the Doctoral School by the holders of the doctoral courses. It aims to evaluate the perception of PhD leaders regarding the following aspects: PhD students' performance, Doctoral School educational offer, the quality of doctoral theses as well as the PhD student-PhD leader relationship.

1.3.3. Interaction between the quality assurance system and university management;

The quality assurance system constantly interacts with university management, reporting all existing problems and applying the necessary regulations. The Board of Directors, the University Senate, as well as the Quality Assurance Committee are in direct contact with the CSUD and the Doctoral Schools Councils of the UMFVBT.

The Code of Ethics exists as a moral contract between members of the University community and the university community as a whole, thus contributing to the cohesion of members, to the formation of a climate based on unity, cooperation and collegial competition and to the increase of the prestige of the university (http://www.umft.ro/data_files/documente-atasate-sectiuni/2550/h.c.a. 2024.05.2016.pdf)

1.3.4. Transparency and access to information specific to the internal quality assurance system, for internal and external beneficiaries;

All documents specific to the conduct of doctoral studies are published on the university's website.

The Doctoral School, with the logistical support of the IOSUD, ensures that all necessary information on doctoral programmes is published on the Internet, with particular regard to the following categories:

- doctoral school regulations;
- the admission regulation;
- the regulation for the completion of studies including the procedure for public support of the thesis;
- information on how to organize and conduct doctoral programmes;
- information on the content of doctoral degree programmes;
- information on how to finance studies, as well as the costs incurred by the student-doctor;
- model of the framework contract for doctoral studies;
- information on doctoral thesis, i.e. drafting standards, procedures and criteria for their evaluation;
- summaries of doctoral thesis to be publicly supported, as well as the date, time and location of public claims, at least 20 days before their support;
- information on receiving doctoral studies for EU third-country nationals and how to equivalence studies for EU candidates;
- other information of interest to PhD students and PhD leaders, as support for the conduct of research and the elaboration of doctoral thesis, career advice, research-specific legislation.

1.3.5 Efficiency of internal quality assurance procedures and structures and their impact on doctoral study activities.

At the time of the report, there are no rejected theses without the right of recovery or complaints of fraud related to the originality of the Doctoral Theses pertaining to , in the Doctoral School of Medicine-Medicine, Domain of Medicine. Thus, the impact of the internal quality assurance procedures is one of proven efficiency.

1.3.6 Information produced by the internal quality assurance system is used as a tool for quality management and to improve education and other activities;

The information derived from the assessment of the Quality Assurance Committee is and will be constantly analyzed and swift and appropriate measures will be implemented. The Committee has developed a set of urgent measures to evaluate the doctoral thesis as well as the habilitation theses, that henceforth have been applied, and is currently working on a set of measures to develop international collaborations and initiate specific classes taught by professionals

1.3.7. Monitoring, evaluation and continuous development of the internal quality assurance system .

The continuous development of the quality assurance system is a priority and will bring even more benefits to UMFVBT's IOSUD, . Members of the Committee are working on a number of issues, including through applications from FDI projects to ensure careful and effective monitoring of the aforementioned issues.

2. Criteria, Standards, and Key Performance indicators, accompanied by corresponding documents.

The Internal Assessment is based on information and documents provided by all university structures that have a bearing on doctoral research. The sources of information shall be specified for each indicator. This report evaluates the development of UMFVBT's Doctoral School of Medicine - Pharmacy and Doctoral School of Dental Medicine and contains objective and quantifiable data related to the main areas of the institution's activity, as well as the interpretation of the dynamics of some criteria and performance indicators

The criteria, standards and performance indicators used in the self-assessment are those specified in Annex 3 on **the "Criteria system, standards and performance indicators used in the accreditation and periodic evaluation of institutions organizing university doctoral studies (IOSUD)"** of Order No. 3651/2021 of 12 April 2021 of the Minister of Education on

methodology for the evaluation of university doctoral studies and systems of criteria, standards and performance indicators used in the evaluation, published in Official Gazette No. 414 of 20 April 2021.

The current Report is based on the activity of UMFTVBT's IOSUD, namely the Medicine-Pharmacy and Dental Medicine Doctoral Schools, during the last 5 years, namely the period spanning from 2015 to 2020 for the student cohorts, and 2016-2020 for all scientific activity. All data regarding the number of PhD student, leaders, publishing activities pertain to the period ending with the month March 2021.

A. INSTITUTIONAL CAPACITY

A.1.1.1. Existence of specific regulations and their application at IOSUD, respectively at the doctoral school/schools level

The activity of the UMFVBT IOSUD'S Doctoral Schools of IOSUD, is regulated by the following documents:

- *Institutional Regulation for the organisation and functioning of doctoral studies at UMFVBT*

<https://www.umft.ro/reglementari-interne-csud/>

- *Regulation of the UMFVBT Doctoral School*

<https://www.umft.ro/reglementari-interne-csud/>

- *Methodology regarding the designation and election of members of the Council for University Doctoral Studies and the Council of the Doctoral School*

<https://www.umft.ro/reglementari-interne-csud/>

Evidence of elections at CSUD/CSDlevel:

http://old.umft.ro/concurs-director-csud-2020_853

<https://www.umft.ro/alegeri-csd-2021/>

http://old.umft.ro/alegeri-csud-2020_915

- *Methodology regarding the election of directors of the UMFVBT Doctoral School Councils* <https://www.umft.ro/reglementari-interne-csud/>

<https://www.umft.ro/alegeri-csd-2021/>

- *UMFVBT's Procedure for the elaboration of doctoral degree programmes and curriculum* <https://www.umft.ro/reglementari-interne-csud/>

- *Procedure for completion of university doctoral studies*

- *UMFVBT's Procedure regarding the recognition of THE Phd degree and the title of PhD graduate obtained abroad* <https://www.umft.ro/reglementari-interne-csud/>



-UMFVBT's Procedure for automatic recognition of the status of doctoral leader/habilitation obtained in accredited Universities abroad
<https://www.umft.ro/reglementari-interne-csud/>
<http://old.umft.ro/proceduri-pcue> 877

- UMFVBT's Methodology regarding the organisation of admission to doctoral degree cycles, 2021-2022

<https://www.umft.ro/wp-content/uploads/2021/04/1.-Metodologia-privind-organizarea-admiterii-in-ciclurile-universitare-de-doctorat.pdf>

- UMFVBT's Methodology of completion of doctoral studies
<https://www.umft.ro/reglementari-interne-csud/>

- Contract for University Doctorate Studies sample
<http://old.umft.ro/reglementari-cu-privire-la-studiile-doctorale> 120

I consider this criterion to be met.

A.1.1.2. *The regulation of the doctoral school/schools shall include mandatory criteria, procedures and standards for the matters specified in Article 17(1). (5) of the Code of University Doctoral Studies, approved by Government Decision No. 681/2011, with subsequent amendments and additions.*

The Regulation of UMFVBT's IOSUD Doctoral Schools, includes mandatory criteria, procedures and standards regarding aspects specified in Article 17, paragraph 5 of HG 681/2011:

- Chapter IV, Article 6 (1) and Chapter IV, Article 11 refers to the way in which new doctoral leaders are accepted, as well as regulations on how a doctoral leader may be excluded from the doctoral school.

- Chapter VI, Article 23 (1,2,3) and Article 24 refers to the mechanisms by which decisions are taken regarding the appropriateness, structure and content of the advanced university studies training programme.

- Chapter IV, art.8 (1,2,3) refers to the procedures for changing the doctoral leader of a particular doctoral student and the procedures for mediation of conflicts.

- Chapter II, Article 4 (9) refers to the conditions under which the doctoral programme may be interrupted.

- Chapter VI, Article 36 (1.2) refers to ways of preventing fraud in scientific research, including plagiarism.

- Cap V, Art 25 (1,2,3,4) references to the provision of research resources.



• Cap VI, Art 19 references to the frequency obligations of PhD students according to a methodology developed by the Ministry of Education, Research, Youth and Sport.

Given that the above-mentioned mandatory aspects are included in the doctoral school regulation, the performance indicator is considered to have been fulfilled

A.1.2.1. The existence and effectiveness of an appropriate IT system for centralizing data regarding PhD students and their academic background .

Currently within the Doctoral School of Medicine the records of PhD students and their academic background is are archived and maintained using a excel database available by the staff of the Doctoral School Secretary's office. UMFVBT has concluded a contract with a specialized IT company regarding the purchase of an enrolment software ([Annex 25](#)) We thus consider this criterion to be met.

A.1.2.2. The existence and use on an appropriate IT program as well as evidence of its use to verify the similarity percentage of all doctoral theses.

To ensure the quality of the scientific research, the University has acquired a software for detecting the act plagiarism (www.sistemantiplagiat.ro), made available to the entire academic community. All doctoral theses held within IOSUD – UMFVBT, domain of Medicine, Dental Medicine, Pharmacy are subject to antiplagiarism assessment. ([Annex 23](#)). We consider this criterion to be met.

A.1.3.1. The existence of at least one research or institutional development/human resources grant in implementation at the time of submission of the internal evaluation dossier, for the field of doctoral studies analyzed, or the existence, at Domain level, of at least 2 research or institutional development grants obtained by the PhD leaders in the field evaluated in the last 5 years. Grants address topics relevant to the field and, as a rule, are carried out with the involvement of PhD students.

We consider this criterion met, in view of the following 95 research projects, related to the Domain of Medicine pertaining to the Doctoral School of Medicine-Pharmacy, corresponding to the period 2016-2020, ([Annex 26.](#))

**A.1.3.2. The proportion of PhD students existing at the time of evaluation, who benefit, for a minimum of six months, from sources of funding other than government funding, through research grants reimbursed by natural or legal persons or are financially supported by research or institutional development/human resources grants, is at least 20%.*

According to Certificate 9991/24.05.2021, there were 10 doctoral projects financed in an internal competition pertaining to the year 2016, 9 projects for 2017, respectively 6 projects for 2019. ([Annex 27](#))

According to Certificate No 9992/24.05.2021, a number of 26 research grants were carried out within the University of Medicine and Pharmacy "Victor Babeș", for the reported period. ([Annex 28](#))

Thus, 10% of PhD students in the Field of Medicine have also benefited from sources of funding other than government funding, through scholarships granted by natural or legal persons, or have been supported through research or institutional development/human resources grants. I consider this criterion partially fulfilled.

**A.1.3.3. At least 10% of the total amounts of doctoral grants obtained by the University through institutional contracts and tuition fees collected from Doctoral students, are used to finance the professional training expenses of PhD students (participation in conferences, summer schools, courses, internships abroad, publication of specialized articles or other specific forms of dissemination, etc.).*

IOSUD – UMFVBT motivates PhD students, through programs that provide them with certain facilities, namely, the payment of publishing taxes, as granted by the UMFVBT Senate Decision No. 24/7135/24/06.2020,, ([Annex 29](#))

The university senate approves the following levels of payment/reimbursement of publication fees in ISI indexed journals, as follows:

- IF 0.5-0.99 = 500-euro max
- IF 1-1.99 = 1500 euro max
- IF 2-2.99 = 2000 euro max
- IF 3-3.99 = 2500 euro max
- IF 4-5.99 = 3000 euro max
- IF 6-7.99 = 4000 euro max
- IF 8-10 = 5000 euro max
- IF > 10 = 8000 euro max

Thus, this criterion is fulfilled.

A.2.1.1. The spaces and material equipment of the doctoral school are appropriate to the research activities conducted in the evaluated domain, in accordance with the proposed mission and objectives (computers, specific software, equipment, laboratory equipment, library, access to international databases, etc.). Research infrastructure and research services offers are presented publicly through a specialized platform. The research infrastructure described above has been clearly highlighted and developed over the past 5 years.

The Doctoral Schools can organize Research centers or laboratories that can function as revenue and expenditure units within UMFVBT. PhD students from the Doctoral School's, Domains of Medicine, Dental Medicine, Pharmacy can carry out their scientific research in specific research centers. <https://www.umft.ro/cercetare/centre-de-cercetare/> ([Annex 21](#))

The Biobank is a space for the specific storage of human and animal cells and tissues that will be further used for research purposes, including for young PhD students. The objective is to reduce intra- and inter-experimental variability, optimise traceability and promote interoperability of data between different research projects, archive and use biological samples for scientific purposes.

<https://www.umft.ro/cercetare/biobanca/>

The research infrastructure and the offer of research services are presented publicly through the ERRIS profile platform <https://eeri.eu/ERIF-2000-000G-1793>.

PhD students have access to the UMFT library, including access to international databases. <https://www.umft.ro/biblioteca/accesul-la-biblioteca/>, <http://anelisplus2020.anelisplus.ro/>

I consider this criterion to be met.

A.3.1.1. The the Doctoral domain employs at least three PhD leaders, and at least 50% of them (but not less than three) meet the minimum standards of the National Council for the Attestation of University Titles, Diplomas and Certificates (CNATDCU) valid at the time of the evaluation, necessary and mandatory for obtaining the habilitation certificate.

According to the table in paragraph 1.2.3 of this Report, more than 50% of the PhD leaders of the Medical Field meet the minimum CNATDCU standards. ([Annex 16b](#)) The Criterion is thus fulfilled.

**A.3.1.2. At least 50% of PhD leaders in the evaluated Doctoral Domain are tenured IOSUD proffesors, employed based on indefinite period contract.*

According to Article 166 (3) of Law 1/2011, in order to conduct PhDs, teaching and research staff who have acquired this right must have an employment contract with an IOSUD or a member institution of an IOSUD and, moreover, be members of a doctoral school.

Of the total of 83 PhD leaders pertaining to the Domain of Medicine, 71 PhD leaders have concluded a indefinit period contract with IOSUD-UMFVBT, 85% are tenured IOSUD professors, employed with an indefinite employment contract. Thus, consider this criterion to be met. ([Annex 17](#))

A.3.1.3. Disciplines in the training programme based on advanced university studies related to the Domain are conducted by teachers or researchers who have attained the status of habilitated PhD leader, professor/CS I or university lecturer/CS II with proven expertise in the field of subjects taught or other specialists in the field who meet the standards set by the institution for the abovementioned teaching and research functions, under the law.

Within the Doctoral School of Medicine-Pharmacy, at the present moment all classes conducted in the training program based on advanced university studies are taught by PhD leaders, who meet the minimum necessary and mandatory standards for obtaining habilitation certificate ([Annex 16b](#)).

I therefore consider this criterion to be met.

**A.3.1.4. The proportion of PhD leaders who coordinate more than 8 Doctoral students at the same time, but not more than 12, during the period of doctoral studiesI, does not exceed 20%.*

According to H.S. No. 11/17694/28.11.2018 ([Annex 30](#)), the number of doctoral students who can be guided simultaneously by a doctoral leader is not more than 8.

According to the latest report, within the Medical Domain of the Doctoral School of Pharmacy Medicine, 83 PhD leaders work (quality obtained according to the law) and no PhD leader coordinates more than 8 Doctoral students ([Annex 31](#)).

A.3.2.1. At least 50% of PhD leaders in the field under evaluation shall submit at least 5 Web of Science or ERIH indexed publications in journals with impact factor or other achievements, with relevant significance for that field, publications that must contain international contributions showing progress in scientific research-development-innovation for the evaluated domain. The PhD leaders mentioned have international visibility over the last five years, consisting of: membership in the scientific committees of international publications and conferences; membership on the boards of international professional associations; guestine at conferences or expert groups held abroad or membership in committees supporting doctoral thesis at universities abroad or in joint supervision with a university abroad. For the branches of science, Arts and Science of Sport and Physical Education, PhD leaders will prove international visibility in the last five years by membership in the boards of professional associations, by membership in committees organizing artistic events and international competitions, respectively by membership in juries or arbitration teams in artistic events or international competitions.

We consider this criteria fulfilled, the annexed table revealing at least 5 publications/doctoral leader, thus the percentage of leaders with a minimum of 5 indexed publications Web of Science being more than 50%. ([Annex 32](#)). All PhD leaders in the field of Medicine carry out an internationally visible scientific activity : they present Web of Science indexed publications in journals with relevant impact factor and have international visibility over the past five years.

The activity of the doctoral supervisors for the period 2016-2020 is presented as report according to CSUD requirements on the website

https://www.umft.ro/facultati/csud/csud_componenta-csud-si-descriere/

**A.3.2.2. At least 50% of PhD leaders pertaining to a certain Domain must continue to be scientifically active, obtaining at least 25% of the score required by the MINIMUM CNATDCU standards valid at the time of evaluation, necessary and mandatory for obtaining the habilitation certificate , based on the scientific results of the last five years.*

According to the table in paragraph 1.2.3 of this Report, more than 50% of the PhD leaders of the Domain of Medicine meet the minimum CNATDCU standards, and according to subchapter A.3.2.1, more than 50% of them are active in terms of scientific publications. ([Annex 32](#))

I therefore consider this criterion to be met.

The activity of the doctoral supervisors for the period 2016-2020 is presented as report according to CSUD requirements on the website

https://www.umft.ro/facultati/csud/csud_componenta-csud-si-descriere/

B. EDUCATIONAL EFFICACITY

**B.1.1.1. The ratio between the number of master-level graduates of other higher education institutions in the country or abroad who have applied for admission to university doctoral studies in the last five years and the number of places financed from the state budget for the aforementioned domain is at least 0.2 or the ratio between the number of candidates in the last five years and the number of places financed from the state budget in the aforementioned domain, obtainable through competition, is at least 1,2.*

According to the situation of admission and registration of Ist Year doctoral students, for the period of time covered in the present report, and the data available in subchapter 1.2.4, ([Annex 33](#)) the ratio between the number of master-level graduates of other higher education institutions in the country or abroad who have applied for admission to university doctoral studies in the last five years and the number of places financed from the State budget entered in the doctoral field is 5.13. Thus, I consider this criterion to be fulfilled.

**B.1.2.1. Admission to doctoral programmes is based on selection criteria including: academic, research and professional performance of candidates, their interest in scientific or artistic/sports research, publications in the field and a research theme proposal. An interview with the applicant is a mandatory part of the enrolment procedure. .*

Between 2016 and 2020, admission to university doctoral studies was organized in accordance with the admission regulations approved by the University Senate, in accordance with current laws.

<http://old.umft.ro/admitere-2020> 815

At the moment, admission to doctoral studies is carried out in accordance with the UMFVBT Methodology on the organization of admission in the doctoral studies cycles ,2021-2022, respecting the university's autonomy, according to the UMFVBT Charter.

<https://www.umft.ro/admitere-doctorat-2021/>

Admission to doctoral studies consists of an examination of linguistic competence, the submission of projects for obtaining doctoral grants and an interview with the doctoral leader and a committee aimed mainly at the following:

1. The candidate's level of knowledge regarding specialized bibliography, the problems pertaining to the specific field, as well as the candidate's interest for research on the chosen topic.
2. The research work carried out by the candidate, as reflected by the scientific research studies that the candidate is author or coauthor of.
3. Publishing activity: scientific studies published in Web of Science indexed Journals, Pubmed/Medline, or other nationally/internationally recognized databases;

4. Research work presented at international and national conferences and published in summary in magazines with ISSN or ISBN;
5. The ability to analyze, synthesize and design, to undertake creative activities, structuring and interpreting results; formulation and argumentation of personal opinions.

The Admission (Interview) Committee is comprised of:

1. a president (PhD leader)
2. 3 members who may be part of the doctoral leader's research team.

They may be teachers affiliated with the doctoral school or teachers and research staff not affiliated with it.

The criteria is thus fulfilled.

B.1.2.2. The expulsion rate of Doctoral students, including after dropping out after, 3 and 4 years after admission², shall not exceed 30 %.

As a result of calculating the expulsion rate, according to the table below, the aforementioned rate does not exceed 30 %. ([Annex 34](#))

Field of Medicine

Expulsion rate of PhD students

Number of Doctoral students Registered at the following date: 01.10.2015	305
Number of PhD students expelled as of 30.09.2016	8 (2.62% <30%)

Expulsion rate of PhD students

Number of Doctoral students Registered at the following date: 01.10.2016	368
Number of PhD students expelled as of 30.09.2017	34 (9.24% <30%)

Expulsion rate of PhD students

Number of Doctoral students Registered at the following date: 01.10.2017	410
Number of PhD students expelled as of 30.09.2018	38 (9.26% <30%)

Expulsion rate of PhD students

Number of Doctoral students Registered at the following date:	447
Number of PhD students expelled as of 30.09.2019	14



	(3.13% <30%)
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Expulsion rate of PhD students

Number of Doctoral students Registered at the following date:	457
Number of PhD students expelled as of 30.09.2020	6 (1.31% <30%)

B.2.1.1. Training programmes based on advanced university studies are comprised of at least 3 subjects relevant to the training in scientific research of PhD students, at least one discipline is intended for the in-depth study of the methodology of research and/or statistical processing of data

According to the 2016-2020 Education Plan for the three PhD Domains, (Medicine, Dental Medicine, Pharmacy), the *Methodology of Scientific Research* and *Biostatistics* disciplines are part of the training program. Education plans for 2016 - 2020: http://old.umft.ro/oferta-educationala_117

I therefore consider this criterion to be met.

B.2.1.2. There is at least one discipline dedicated to ethics in scientific research and intellectual property or well-defined topics on these subjects within a discipline taught in the training program.

The training program of doctoral students includes the Ethics of *Scientific Research discipline*, which is part of the Education Plan, considering this fact criterion fulfilled.
[http://old.umft.ro/oferta-educationala_117\(Annex35\)](http://old.umft.ro/oferta-educationala_117(Annex35))

B.2.1.3. The IOSUD has created proper mechanisms to ensure that training programmes based on advanced university studies are aimed at "learning outcomes", specifying the knowledge, skills, responsibility and autonomy that PhD students should acquire after completing each discipline or through research activities^2

.In accordance with *the UMFVBT Procedure for the elaboration of doctoral programs and the curriculum* and the Regulation of examination and scoring of doctoral students, <https://www.umft.ro/reglementari-interne-csud/>, as a result of the study disciplines and research activities, through training programs based on advanced university studies, PhD students will acquire the following knowledge and skills: ([Annex35](#))

After completing *the Methodology of Scientific Research class*, PhD students will acquire professional skills and transversal skills:

Professional competences:

- Ability to select medical and pharmaceutical professional information of high scientific quality from printed bibliography and from sources on the Internet.
- Ability to detect the main sources of systematic and random errors that may occur in a clinical trial/scientific experiment.
- The ability to correctly select a particular statistical protocol/statistical test according to the design of the study/express research.
- The ability to correctly integrate a statistical protocol in the context of a scientific work in the biomedical field. Deepening methodological knowledge of scientific publication.

Transversal competences:

- Improving the doctoral student's analytical capacity on medical and pharmaceutical sources of information.
- Effective resolution of problems with a medium degree of difficulty, respecting the principles and rules of professional ethics, i.e. promoting a responsible attitude towards university training.
- Effective application of communication and networking techniques at organizational and disciplinary level.
- Developing acquired skills and adapting to the requirements of a dynamic society.

I therefore consider this criterion to be met.

B.2.1.4. Throughout the doctoral training period, PhD students of the specified Domain receive the advice/guidance of The functional guidance committees, reflected in guidance and views expressed in the minutes of regular meetings.

In accordance with the UMFTVBT Senate Decision No. 15/966/23/01.2019 ([Annex 36](#)), the existence of the Functional Guidance Committee for the Domain of Medicine of the Doctoral School of Medicine-Pharmacy is certified.

According to Article 9 of the UMFVBT Doctoral Schools Regulation, all PhD students will benefit from the support of a three-member guidance committee. These members may be part of the doctoral leader's research team, may be PhD leaders affiliated with UMFVBT Doctoral Schools, or may be research staff of UMFVBT, not affiliated with its Doctoral Schools. ([Annex 37](#))

In order to ensure a coherent scientific path, the PhD student conducts presentations regarding the progress of his scientific research program before the guidance committee and the PhD leader, whose role is to guide, correct and support the scientific course of the PhD student. The minutes accompanied by the stage report/reference will be submitted to the doctoral student's personal file.

The scientific research programme shall be deemed to have been completed only after the support of at least 2 or 3 reports/references on the scientific research progress of the doctoral student.

The scientific research programme is carried out under the guidance of the PhD leader and the Guidance Committee.

The intermediate results of the research program are presented by the PhD student in order to be evaluated by the PhD leader and the Guidance Committee in the form of reports regarding the doctoral student's scientific research progress.

The Criteria is thus fulfilled.

B.2.1.5. For any doctoral School, the ratio between the number of doctoral students and the total number of teachers/researchers providing guidance shall not be more than 3:1.

Following the analysis of the data regarding the Guidance Committees, regarding the Domain of Medicine of the Doctoral School of Medicine and Pharmacy, the ratio between the number of doctoral students and the total number of teachers/researchers providing guidance is less than 3 (there are 306 Guidance Committee members, and 505 doctoral students currently registered), thus the criterion is fulfilled, the ratio being 1.65. ([Annex 38](#))

B.3.1.1. For the evaluated Domain there is at least one article or other relevant contribution per PhD graduate in the last 5 years. From this list, the members of the evaluation committee

select for analysis, randomly, 5 such relevant articles/contributions per doctoral Domain. At least 3 of the selected articles show significant original contributions in the field concerned.

According to the table regarding the publishing activity of each student who the PhD graduation certificate ([Annex 39](#)), there is at least one article or other relevant contribution per doctoral student who has obtained the title of PhD graduate over the last 5 years, regarding the Domain of Medicine, pertaining to the Doctoral School of Medicine-Pharmacy. Thus, the criteria is fulfilled.

**B.3.1.2. The ratio between the number of presentations doctoral students who completed their doctoral studies undertook during the evaluation period (last 5 years), including poster, exhibitions, at prestigious international events (held at home or abroad) and the number of doctoral students who completed their doctoral studies during the evaluated period (last five years) is at least equal to 1.*

The subsequent table analyzes the number of presentations PhD graduates undertook as well as the number of graduates that have concluded their studies each year, from 2015 to 2020 ([Annex 40](#))

The ratio between the number of presentations PhD graduates during undertook during the evaluated period (last 5 years), including poster, exhibitions, made at prestigious international events (held at home or abroad) and the number of doctoral students who completed their doctoral studies during the evaluated period (last five years) is $357/149 = 2.39$, thus the criteria is considered fulfilled.

University Year	No.	No.
2015-2016	20	15
2016-2017	35	138
2017-2018	22	43
2018-2019	34	83
2019-2020	88	78
Total	149	357
Report Presentations/No. graduates	No PhD	2.39

**B.3.2.1. The number of doctoral thesis allotted to a particular scientific tutor from a higher education institution other than IOSUD evaluated shall not exceed two (2) for the thesis coordinated by the same doctoral leader in a year.*

According to data reported regarding the Domain of Medicine, for the 2016-2017 university years, 1 tutor exceeded the number of 2 doctoral theses allocated/tutor (Prof. Nagy Ors).

According to data reported regarding the Domain of Medicine, for the 2017-2018 university years, 3 teachers exceeded the number of 2 doctoral theses allocated/tutor (Prof. Saftoiu Adrian, Prof. Tarcea Monica, Prof. Abram Zoltan). ([Annex 41](#))

The criteria is therefore partially fulfilled.

**B.3.2.2. The ratio between the number of doctoral thesis allotted to a particular scientific tutor from a higher education institution other than that in which the doctoral thesis is organized and the number of doctoral theses concluded in the same domain of doctoral studies within the doctoral school shall not be more than 0,3, in relation to the situation recorded in the last five years..*

According to the analysis of scientific tutors pertaining to another educational institution, ([Annex 42](#)) we consider this criterion to be fulfilled, the ratio between the number of doctoral theses allotted to a particular scientific tutor from a higher education institution other than that in which the doctoral thesis is organized and the number of doctoral thesis conducted in the same field of doctoral studies within the doctoral school does not exceed 0.3.

C. QUALITY MANAGEMENT

C.1.1.1. IOSUD has developed and regularly applies a procedure for the assessment and internal monitoring of activities within doctoral schools, amongst these evaluated mandatory criteria being the following:

a) the scientific activity of PhD leaders;

In UMFVBT's IOSUD, regular assessments of the scientific work of PhD leaders are conducted within the Doctoral Schools, according to the IOSUD - UMFVBT Doctoral Leadership Assessment Sheet and the quality assurance procedure issued by the CSUD. ([Annex 43](#))

b) the infrastructure and logistics necessary to carry out the research activity;

For scientific research activities, PhD students from the Doctoral Schools of Medicine, Dental Medicine and Pharmacy can carry out research activities in the IOSUD – UMFVBT research center.

<https://www.umft.ro/cercetare/centre-de-cercetare/>

The spaces and material equipment of the doctoral schools within IOSUD – UMFVBT, allow the carrying out of research activities according to the annexes:

Domain of Medicine (Annex21)



c) the regulations and procedures on the basis of which doctoral studies are organized;;

The activity of the Doctoral Schools within IOSUD – UMFVBT is regulated by the following documents:

- - *Institutional Regulation for the organization and functioning of doctoral studies at UMFVBT*

<https://www.umft.ro/reglementari-interne-csud/>

- *Regulation of the UMFVBT Doctoral School*

<https://www.umft.ro/reglementari-interne-csud/>

- *Methodology regarding the designation and election of members of the Council for University Doctoral Studies and the Council of the Doctoral School*

<https://www.umft.ro/reglementari-interne-csud/>

Evidence of elections at CSUD/CSDlevel:

<http://old.umft.ro/concurs-director-csud-2020> 853

<https://www.umft.ro/alegeri-csd-2021/>

<http://old.umft.ro/alegeri-csud-2020> 915

- *Methodology regarding the election of directors of the UMFVBT Doctoral School Councils* <https://www.umft.ro/reglementari-interne-csud/>

<https://www.umft.ro/alegeri-csd-2021/>

- *UMFVBT's Procedure for the elaboration of doctoral degree programmes and curriculum* <https://www.umft.ro/reglementari-interne-csud/>

- *Procedure for completion of university doctoral studies*

- *UMFVBT's Procedure regarding the recognition of THE Phd degree and the title of PhD graduate obtained abroad* <https://www.umft.ro/reglementari-interne-csud/>

- *UMFVBT's Procedure for automatic recognition of the status of doctoral leader/habilitation obtained in accredited Universities abroad*

<https://www.umft.ro/reglementari-interne-csud/>

<http://old.umft.ro/proceduri-pcue> 877

- *UMFVBT's Methodology regarding the organisation of admission to doctoral degree cycles, 2021-2022*

<https://www.umft.ro/wp-content/uploads/2021/04/1.-Metodologia-privind-organizarea-admiterii-in-ciclurile-universitare-de-doctorat.pdf>

- *UMFVBT's Methodology of completion of doctoral studies* <https://www.umft.ro/reglementari-interne-csud/>

- *Contract for University Doctorate Studies sample*

<http://old.umft.ro/reglementari-cu-privire-la-studiile-doctorale> 120



d.scientific activity of Doctoral students –

Synthesized data regarding the scientific and publishing activity of the doctoral students, pertaining to the Domain of Medicine can be found in the Scientific Activity Assessment Report ([Annex19](#))

From the 11th to 12th of March 2021, the Scientific Webinar for PhD students from UMFVBT's Doctoral Schools took place. The webinar comprised in extenso articles published in ISI journals, with impact factor, 18 PhD students participating.

http://old.umft.ro/evenimente-din-cadrul-universitatii-de-medicina-si-farmacie-victor-babes-din-timisoara_172/webinarul-stiintific-al-studentilor-doctoranzi-din-cadrul-scolilor-doctorale-ale-umfvbt_521

During 2016 – 2019, UMFVBT hosted the Scientific Session of Doctoral Students, during the university Days. Doctoral students from the Doctoral Schools participated in the oral presentation and poster sessions.

http://old.umft.ro/noutati-cu-privire-la-studiile-doctorale_114

e. the content of training programmes based on advanced university studies;

Within IOSUD –UMFVBT, the doctoral degree-based training programme is set up according to the curriculum, having a duration

http://old.umft.ro/oferta-educationala_117

([Annex35](#))

The University's Advanced Training Program is carried out according to the curriculum, and is 2 semesters long for the Medicine, Dental Medicine and Pharmacy Domains.

The curriculum for Doctoral Studies is in accordance with national and European standards and ensures PhD students acquire the adequate knowledge pertaining to the Doctoral Study Domains.

The aforementioned curriculum is conceived according to Procedure for development of university doctoral studies and curriculum of the `Victor Babes` University of Medicine and Pharmacy <https://www.umft.ro/reglementari-interne-csud/>

The curriculum regarding doctoral studies includes compulsory disciplines, optional disciplines as well as the advanced scientific research project.

- Compulsory disciplines ensure that students accumulate the basic knowledge indispensable to their study domain.
- Optional disciplines allow emphasizing certain domains, in accordance with the specialization targeted by the student.

At the end of the advanced academic training year, PhD students must accumulate the necessary total number of credits, as provided for in the curriculum.

f) social and academic support services (including participation in various events, publication of articles, etc., and advice made available to PhD students.

IOSUD – UMFVBT motivates PhD students, through programs that provide them with certain facilities, namely, the payment of publishing taxes, as granted by the UMFVBT Senate Decision No. 24/7135/24/06.2020, ([Annex8.44](#))

The university senate approves the following levels of payment/reimbursement of publication fees in ISI indexed journals, as follows:

- IF 0.5-0.99 = 500-euro max
- IF 1-1.99 = 1500 euro max
- IF 2-2.99 = 2000 euro max
- IF 3-3.99 = 2500 euro max
- IF 4-5.99 = 3000 euro max
- IF 6-7.99 = 4000 euro max
- IF 8-10 = 5000 euro max
- IF > 10 = in limita a 8000 euro max

According to H.S. No. 25/7135/24/06.2020 ([Annex.45](#)) The University Senate approves annual financial support for:

A.. Article with the highest impact factor.

1st place - 5,000 RON

2nd place –3,000 RON

3rd place - 1,000 RON

b. The project with the highest funding (projects financed from national, international, non-refundable competitions)

1st place - 5,000 RON

2nd place - 3,000 RON

3rd place - 1,000 RON

The CSUD budget for 2020 is approved as stated in the Decision of the Administrative Board of 13.03.2020, thus 90% of the revenue received from fee-paying Doctoral students is allocated for the organization and functioning of the Council for University Doctoral Studies (CSUD) of the Organizing Institution of University Studies of Doctorate – Victor Babeș University of Medicine and Pharmacy in Timișoara, approved by H.S. No. 3/4579/25.03.2020

University Senate approves modification of tuition fees for doctoral studies, according to H.S. No. 5/4579/25.03.2020 ([Annex.46](#)) as follows:

-Reducing the tuition fee for doctoral studies from 5000 lei/year to 3000 lei/year.

-Establishing the amount of the tuition fee for university doctoral studies, in case of the extension of the duration of the doctoral degree program, namely 4000 lei/year.

-Introducing a re-registration fee for university doctoral studies in the 5000 lei/year.

During the UMFVBT Days, merit scholarships, performance scholarships or excellence scholarships were awarded, as appropriate, to PhD students with special merit in scientific research who presented extensive publications in ISI-listed journals with an impact factor above 1, as well as oral presentations or posters.

http://old.umft.ro/noutati-cu-privire-la-studiile-doctorale_114

UMFVBT has financially supported PhD students through the award of internal research grants, according to the HCA. of 08.01.2019 ([Annex47](#))

The Criteria is thus fulfilled.

C.1.1.2. Assessment mechanisms are implemented during the doctoral training period and are aimed at identifying needs, as well as the general level of satisfaction with the doctoral studies program of PhD students, in order to continuously improve academic and administrative processes. Following the analysis of the results thus obtained, a plan of measures will be conceived and implemented.

Standard 1.7 - Information Management, included in the Standards and Guidelines regarding Quality Assurance in the European Higher Education Area (ESG 2015), approved at the European Higher Education Area (SEIS) Ministerial Conference – Yerevan, Armenia, 14-15 May 2015 states that "Institutions should ensure that relevant information is collected, analyzed and used for the effective management of their programmes and other activities." Among the information considered very important is student satisfaction regarding the study programmes they attend, available learning resources, student support services as well as feedback.

During the doctoral training period, feedback mechanisms are implemented, in order for PhD students to identify their needs, as well as their level of satisfaction with the doctoral program as a whole, with a view to continuously improving the academic and administrative services offered.

The analysis was carried out on the basis of the Student Satisfaction Assessment Questionnaire([Annex 24](#), [Annex 48](#)), applied during the academic year 2018-2019. The questionnaire was applied at the level of the Doctoral School of Medicine and Pharmacy and had 90 respondents, out of a total of 96 Doctoral students. The reasoning behind using the questionnaire as a working tool was based on operationality. In order to ensure the veracity of the answers, the questionnaire was anonymous.

The criteria is thus considered to be fulfilled.

C.2.1.1 The IOSUD publishes on the website of the higher education institution, in compliance with the regulations in force on data protection, information regarding:



The IOSUD – UMFVBT website publishes the necessary information regarding the doctoral degree programmes, for candidates of these programmes, the university community and other interested natural or legal persons.

www.umft.ro, <http://old.umft.ro/prezentare-general-a-studii-doctorale> 115

(a) the IOSUD/doctoral school regulation;

- UMFVBT Institutional Regulation for the organisation and functioning of doctoral studies <https://www.umft.ro/reglementari-interne-csud/>
- UMFVBT Regulation of the Doctoral Schools <https://www.umft.ro/reglementari-interne-csud/>

(b) the admission rules;

- UMFVBT Methodology regarding the organisation of admission to doctoral studies , 2021-2022

<https://www.umft.ro/wp-content/uploads/2021/04/1.-Metodologia-privind-organizarea-admiterii-in-ciclurile-universitare-de-doctorat.pdf>

(c) the doctoral studies contract;

- UMFVBT Model of the Doctoral Study Contract

<http://old.umft.ro/reglementari-cu-privire-la-studiile-doctorale> 120

<https://www.umft.ro/reglementari-interne-csud/>

(d) the regulation for the completion of studies, including the procedure for public support of the thesis;

- UMFVBT Methodology regarding the completion of doctoral studies <https://www.umft.ro/reglementari-interne-csud/>

(e) the content of training programmes based on advanced university studies;

Within IOSUD –UMFVBT, the doctoral degree-based training programme is set up according to the curriculum.

<http://old.umft.ro/oferta-educationala> 117

f) academic and scientific profile, domain research themes of the Doctoral leaders, as well as their institutional contact data

Academic and scientific profile, thematic areas, research themes of PhD leaders pertaining to the Domain of Medicine, Dental Medicine, Pharmacy, as well as their institutional contact data are made public on the UMFVBT website.

https://www.umft.ro/facultati/csud/csud_componenta-csud-si-descriere/



g) the list of doctoral students in the school with basic information (year of registration, leader);

List of registered students, pertaining to the Domain of Medicine, Dental Medicine and Pharmacy:

https://www.umft.ro/facultati/csud/csud_componenta-csud-si-descriere/

(h) information on the standards for the elaboration of the doctoral thesis;

- *Standards for the elaboration of the doctoral thesis at the University of Medicine and Pharmacy "Victor Babes" in Timisoara*
- *Form drafting of the doctoral thesis at the University of Medicine and Pharmacy "Victor Babes" in Timisoara*

<https://www.umft.ro/reglementari-interne-csud/>

(i) links to summaries of doctoral thesis to be publicly supported, as well as the date, time, place where they will be supported, at least 20 days before the support.

Public data on the thesis to be publicly supported within IOSUD – UMF "Victor Babes" in Timișoara:

http://old.umft.ro/2021_941

https://www.umft.ro/teze-csd_mf-2021/

https://www.umft.ro/teze-csd_md-2021/

The criteria is thus considered to be fulfilled.

C.2.2.1. All PhD students have free access to a platform with academic databases relevant to the field of doctoral studies in which they are conducting their thesis.

According to contract No. 11831/01.09.2017, concluded between UMFVBT and the Association of Universities, Research institutes and University Central Libraries of Romania- ANELIS PLUS, the project No. Code MySMIS2014+: 102839 "Access to National Electronic Scientific Literature for Supporting the Romanian Research and Education System -ANELIS PLUS 2020" is implemented, to facilitate the access of UMFVBT students, including doctoral students, the basis of IP and electronic information resources, as well as access to the archives of scientific journals and public books. ([Annex 49](#))

Through research centers and direct involvement of CSUD and CSDs, PhD students benefit from full support in the conduct of academic research and development. The UMFVBT Library and agreements with universities allow PhD students access to platforms with important databases, agreements such as ATU Alliance, Timisoara University Alliance (H.S. No. 36/6022/27.05.2020) and the G6 – UMF alliance between the main universities of medicine and pharmacy in the country, according to H.S. No.86/12188/16.09.2020.

<https://www.umft.ro/category/dezvoltare/acorduri-interuniversitare/>

The criteria is thus considered to be fulfilled.

C.2.2.2. Each PhD student has access, upon request, to an electronic system to verify the degree of similarity with other existing scientific or artistic creations.

To ensure quality scientific research, the university has acquired a software for detecting plagiarism (www.sistemantiplagiat.ro), made available to the entire academic community. All doctoral thesis held under IOSUD is subject to antiplagiarism evaluation. ([Annex 23](#)) The criteria is thus considered to be fulfilled.

C.2.2.3. All Doctoral students have access to scientific research laboratories or other facilities depending on the specifics of the field/domains within the doctoral school, according to rules of internal order.

In IOSUD-UMF "Victor Babeș" in Timișoara, PhD students from the Doctoral School of Medicine – Pharmacy and the Doctoral School of Dental Medicine, have access to advanced research centers and methodological and research centers. The criteria is thus considered to be fulfilled.

<https://www.umft.ro/cercetare/centre-de-cercetare/>

**C.3.1.1.IOSUD, for the field of studies evaluated, has concluded mobility agreements with universities abroad, with research institutes, with companies carrying out activities in the field studied, aimed at the mobility of Doctoral students and teachers (e.g. ERASMUS agreements for the doctoral cycle). At least 35% of Doctoral students have completed a traineeship abroad or some other form of mobility, such as attending international scientific conferences. IOSUD develops and implements policies and plans of measures aimed at increasing the number of Doctoral students participating in training courses abroad, up to at least 20%, which is the target at the level of the European Higher Education Area.*

According to the Inter-Institutional Agreement 2014-2021 under the ERASMUS+ ROTIMISOA02 -HUBUDAPES08 programme, between UMFVBT and Semmelweis University, Budapest, Hungary, the training of medical students is ensured for a number of 2pers x 6 months (cycle 1) and 2x 6 months (cycle 3) ([Annex 50](#))

According to the Inter-Institutional Agreement 2014-2021 under the ERASMUS+ ROTIMISOA02 -FMARSEIL84 programme, between UMFVBT and Marseille University, France, Hungary, the training of medical students is ensured for a number of 4 persons x 10 months cycle 2), respectively 1pers x10 months (cycle 3) ([Annex 50](#))

According to the Inter-Institutional Agreement 2014-2021 under the ERASMUS+ ROTIMISOA02- HUSSZEGED01 programme, between UMFVBT and Szeged University,



Hungary, students are trained for a number of 2 pers x 10 months (cycle 1/2), respectively 1 pers x10 months (cycle 3) ([Annex 50](#))

According to the Inter-Institutional Agreement 2015-2021 under the ERASMUS+ ROTIMISOA02-IBARI01 programme, between UMFVBT and Aldo Moro University, Bari, Italy, medical students are trained for a number of 6pers x6 months ([Annex 50](#))

According to the Inter-Institutional Agreement 2016/2017-2020/2021 under the ERASMUS+ ROTIMISOA02-ISASSARI01 programme, between UMFVBT and Sassari University, Italy, the training of medical students is ensured for a number of 2 pers x9 months. ([Annex 50](#))

According to the assessment of the self-reported scientific activity of PhD students, belonging to the Domain of Medicine, 46 PhD students participated /conducted presentations at international conferences, and 8 benefited from ERASMUS mobilities, other than those mentioned above. ([Annex 51](#))

Thus, 14% of PhD students pertaining to the field of Medicine have completed a training course abroad or some other form of mobility, such as participation at international scientific conferences. We consider this criterion partially fulfilled, and following the favorable conclusion of the pandemic, we hope to resume the participation of PhD students pertaining to the Domain of Medicine in international mobility programs, in partnership with prestigious universities.

C.3.1.2. The assessed Academic Domain actively promotes joint supervision theses, including financially and through the invitation of leading experts to support courses/lectures for PhD students.

The number of doctoral theses held in joint supervision pertaining to the UMFVBT's IOSUD Domain of Medicine was 3 theses, for the monitored period (2016-2020).

The number of doctoral theses written in English pertaining to the UMFVBT's IOSUD Domain of Medicine was 12 theses, for the monitored period (2016-2020).

According to the centralized data we consider the criteria fulfilled.

C.3.1.3. The internationalization of activities in doctoral studies is also sustained through other specific measures (e.g. participation in educational fairs to attract international doctoral students; inclusion of international experts in committees to guide or support doctoral thesis, etc.).

UMFVBT supports the internationalization of doctoral study activities by participating in educational fairs, in order to attract international students.

Between 15 and 16.06.2016, UMFVBT participated, represented by a delegation, to the international education and vocational guidance salon VOCATIUM BERLIN, Berlin, Germany. ([Annex 52](#))



During the period spanning the 08-09.06.2017, UMFVBT participated, represented by a delegation to the international education and vocational guidance fair NORDJOB VOCATIUM 2017, Frankfurt-Offenbach, Germany. ([Annex 52](#))

During 23-25.11.2018, UMFVBT participated, represented by a delegation to the international professional guidance salon Salon de l'Étudiant, Paris, France ([Annex 52](#))

During 2016 – 2019, the "Victor Babeș" University of Medicine and Pharmacy in Timișoara hosted the Scientific Session for Doctoral Students, on the occasion of the University Days. Doctoral students from all the Doctoral Schools participated in the oral presentation and poster sessions.

http://old.umft.ro/noutati-cu-privire-la-studiile-doctorale_114

The conference "Timisoara Medical Education Days" was held on 3-5 November 2016, and was attended by Doctoral students from the Doctoral school pertaining to UMFVBT's IOSUD

http://old.umft.ro/evenimente-din-cadrul-universitatii-de-medicina-si-farmacie-victor-babes-din-timisoara_172/timmed-2016_241

Thus, the criteria is fulfilled.

3. Strategies and procedures implemented at the level of the doctoral study Domain, as measures to continuously improve the quality of doctoral programmes, other than those provided for by the minimum standards, as set out in Annex No 1 to this Regulation. 2 of the Order of the Minister of Education and Research No. 3200 of 7 February 2020.

Strategies and procedures implemented at the level of the Doctoral School of Medicine-Medicine, Domain of Medicine, paramount for the harmonious, rigorous development of the doctoral studies process, are in accordance with the following strategic development plan, conceived in agreement with UMFVBT's policies and concepts of development.

Thus, the following objectives have been conceived:

3.1. Application of the new legislative provisions regarding doctoral studies.

3.2 Obtaining the Ministry of National Education accreditation of the UMFVBT's doctoral school

3.3. Introducing principles used by similar doctoral schools in European universities, on the recommendation of the European Association of Universities (EUA), such as:

- a) Orientation towards increasing research capability and capacity
- b) Focusing research on international topics

- c) Optimization of structures dedicated to doctoral studies
- d) Boosting mobility

3.4. Increase the scientific performance of PhD students for better integration into the socio-economic and professional environment.

3.5. Increasing the visibility and prestige of the UMFVBT's Doctoral School of Medicine-Pharmacy, Domain of Medicine, thus gaining the rank of high degree of confidence in the hierarchy of international university excellence (SCOPUS, SCIMAGO), centered on education and advanced research.

3.6. Developing a stronger PR program that allows the extension of the PhD selection base to other Universities in the country, and, furthermore, abroad;

3.7. Promotion of internships in doctoral and postdoctoral programs, carried out mainly in national and international research institutions, state or privately owned, to broaden the areas of information and competence of PhD students;

3.8. Stimulating the increase in the number of PhDs conducted under joint supervision and/or international collaboration with other PhD leaders. Training sessions with the university's scientific coordinators for the efficient use of modern laboratory equipment, computational technology and existing scientific programmes, for modern processing of experimental information and the foundation of advanced theoretical concepts;

3.9. Continual optimization of the research infrastructure in order to support the conduct of activities specific to doctoral studies (library, free access to international academic databases, apparatus and laboratory equipment), and publishing the results on the Doctoral School's website.

3.10. Encouraging experienced PhD leaders to contribute to the humane and professional training of younger colleagues in order to achieve habilitation;

3.11. Encouraging research with a practical endpoint;

3.12. Collaboration with international (including private) funding centers, which will enable the identification of possible partners in the EU interested in the research undertaken at our university, thus hoping to create collaboration contracts and conceive joint partnership projects with them;

3.13. Identification of priority research themes for the 2021-2027 term, compatible with the major research directions of UMFVBT's Doctoral Schools, enabling interdisciplinary and complementary collaborations, in order to increase the quality of research;



3.14 Conducting Research Agreements with prestigious universities abroad, as well as research institutes, aimed at actively participating in common or complementary research directions and stimulating the mobility of PhD students and teachers, that are to accomplish training internships regarding research, communication and information in the fields of interest;

4. Appendix.

1. Annex 1 Decree Law 660
2. [Annex 2](#) OMENCS No 1 as amended by Regulation (EC) No 1493 5382 of 29.09.2016
3. [Annex 3](#) UMFVBT Senate Decision No.4/2957/15.03.2016
4. [Annex 4](#) pv 15.02.2018
5. [Annex 5](#) pv 18.01.2018
6. [Annex 6](#) UMFVBT Senate Decision No.40/5968/24.05.2018
7. [Annex 7](#) MEN No.4209/31.07.2018
8. [Annex 8](#) UMFVBT Senate Decision No. 207/18470/18.12.2020
9. [Anexa 9](#) PV Nr. 9678
10. [Annex 10](#) PV 15.10.2020
11. [Annex 11](#) PV 06.11.2020
12. [Annex 12](#) UMFVBT Senate Decision No. 206/18470/18.12.2020
13. [Annex 13](#) ARACIS institutional evaluation 2007
14. [Annex 14](#) ARACIS institutional evaluation 2014
15. [Annex 15](#) H.S. No.205/18470/18.12.2020
16. [Annex 16.a](#) CNATDCU MINIMUM STANDARDS
17. [Annex 16.b](#) Learning plan and curriculum vitae
18. [Annex 17](#) List of PhD Leaders IOSUD
19. [Annex 18](#) Student Cohorts
20. [Annex 19](#) CSD Scientific activity report
21. [Annex 20](#) Certificate No. 9996
22. [Annex 21](#) UMFVBT Research Centres
23. [Annex 22](#) Investment Centralizer 2020
24. [Annex 23](#) Antiplagiarism Regulation
25. [Annex 24](#) PV CSUD 885 20.01.2021
26. [Annex 25](#) Enrolment Contract
27. [ANexa 26](#) Research Projects
28. [Annex 27](#) Certificate No. 9991
29. [Annex 28](#) Certificate No. 9992
30. [Annex 29](#) UMFVBT Senate Decision No. 24/7135/24/06.2020
31. [Annex 30](#) H.S. No 11/17694/28.11.2018



32. [Annex 31](#) PhD Students
33. [Annex 32](#) WOS Publications
34. [Annex 33](#) Report Candidates/budget
35. [Annex 34](#) Drop-out rate
36. [Annex 35](#) Teaching Plan 2020-2021
37. [Annex 36](#) UMFTVBT Senate Decision No 15/966/23/01.2019
38. [Annex 37](#) Doctoral School Regulation
39. [Annex 38](#) Guidance Committees
40. [Annex 39](#) PhD Students Selected Articles
41. [Annex 40](#) PhD students presentation 2015-2020
42. [Annex 41](#) Tutor Report
43. [Annex 42](#) Report B.3.2.2
44. [Annex 43](#) PhD leader evaluation sheet
45. [Annex 44](#) UMFVBT Senate Decision No. 24/7135/24/06.2020
46. [Annex 45](#) H.S. No 25/7135/24/06.2020
47. [Annex 46](#) H.S. No 5/4579/25.03.2020
48. [Annex 47](#) HCA No. 136/08.01.2019
49. [Annex 48](#) Synthetic report on the satisfaction of PhD students MG+F
50. [Annex 49](#) Anelis Contract
51. [Annex 50](#) Mobilities ERASMUS+ C3.1.1.
52. [Annex 51](#) Report on Other mobilities
53. [Annex 52](#) Internationalization