



ROMANIA
MINISTRY OF EDUCATION
UNIVERSITY OF ORADEA
FACULTY OF INFORMATICS AND SCIENCES



CONTEST METHODOLOGY
FOR VACANT TEACHING AND RESEARCH POSITIONS
OF THE FACULTY OF INFORMATICS AND SCIENCES
OF THE UNIVERSITY OF ORADEA

In accordance with the provisions of

- Higher Education Law no. 199/2023;
- H.G. no. 1339/2023 regarding the approval of the Framework Methodology for the contest to fill vacant teaching and research positions in higher education
- Contest methodology for vacant teaching and research positions at the University of Oradea (**MPC-UO**), approved by the Senate of the University of Oradea (HS 59/29.01.2024);

in the meeting of 14.03.2024, the Council of the Faculty of Informatics and Sciences adopted some additions to the **MPC-UO**. These additions aim to detail some aspects of the **MPC-UO** and to introduce some additional standards, specific to each field of study of the faculty

The general aspects regarding the organization and conduct of the contest to fill teaching positions are presented in the **MPC-UO**, and the minimum criteria for filling a vacant position are presented in Annex 3 of this procedure.

The evaluation of the candidates by the contest commission will be based on Art. 16 (2) of the MPC-UO. The professional competences of the candidates are evaluated by the contest commission on the basis of two tests:

- **Test 1:** consists in verifying the fulfillment of the minimum conditions according to the legislation in force and the CNATDCU grids (only for the positions of professor and associate professor) as well as the additional conditions specific to each field, according to annexes 3 and 4;
- **Test 2:** consists of the evaluation of specialized knowledge as follows:
 - a) The didactic lecture for the positions of professor and associate professor and, respectively, the written/practical test for the positions of lecturer and assistant.
 - for **assistant lecturer** positions, for the evaluation of the candidates' specialized knowledge in the field of subjects in the contest position, the contest will contain a written test and a practical test (seminar, laboratory, project or others, specific to the field). The topic of the practical test is established by the chairman of the contest commission, with the consultation of its members, and is announced at least 3 working days before the test on the contest's webpage, along with the day, time and venue of

the contest, thus announcing all applicants to participate in the evaluation. The topic and the bibliography for the written test will be displayed on the contest's webpage at least 10 working days before the test;

The result of the contest tests is evaluated by each member of the commission with grades from 1 to 10, the test grade representing their arithmetic average.

- For the positions of **senior lecturer, associate professor and professor**, at least one contest test is represented by a didactic lecture. This test must also contain a session of questions from the commission. The topic of the didactic lecture will be in accordance with the disciplines of the position, it is established by the chairman of the contest commission with the consultation of its members, and is announced at least 3 working days before the test on the contest's webpage, along with the day, time and venue of the contest, thus announcing all applicants to participate in the evaluation.

- b) The lecture on the university career development plan (both from a didactic point of view and from the point of view of scientific research activities) based on the attached document, according to Art. 11 (1) b) of **MPC-UO**.

The final grade of the contest is given by the sum of the grades of the two tests.

Following the completion of the evaluation process, the contest commission establishes, for each position, the rankings of candidates and nominates the candidate who obtained the best results. The chairman of the contest commission shall draw up a report on the contest on the basis of the assessment reports drawn up by each member of the contest commission and in accordance with the ranking of candidates decided by the commission.

The result of the contest is published on the contest's webpage, within two working days from the end of the contest.

If a candidate has elements that can prove non-compliance with the legal procedures of the contest, the candidate can file an appeal within three working days from the disclosure of the results. Appeals shall be made in writing, registered at the UO registry and submitted to the appeals commission for decision.

The appeals commission will review the concerns outlined in the candidate's appeal. The decision is announced within two working days from its submission, on the contest's webpage.

All contest materials, including the final report and individual assessments by the commission members, are to be presented to the faculty dean, who is responsible for organizing a faculty council review. In order to validate the contest, the presence of at least two thirds of the members of the faculty council is required. The faculty council analyzes the compliance with the procedures and approves or not the contest report from this perspective. Any dissenting or abstaining votes must be substantiated, with veto power granted if legal violations are demonstrated. The faculty council does not have the authority to alter the candidate rankings determined by the contest commission.

Following the faculty council's decision, a summary of the council meeting minutes, alongside a signed attendance notice (with the signatures of all present members), will be compiled. These documents are incorporated into each candidate's dossier.

DEAN,

Prof. Eugen Victor Macocian, PhD

CHECKLIST - VERIFICATION OF COMPLIANCE**with the minimal standards****for the filling of teaching and research positions****BIOLOGY****I. CANDIDATE DATA**

SURNAME_____NAME_____PNC_____

Position_____Disciplines_____

Position in the staffing plan_____Department_____

Faculty_____

Present teaching position_____ Position in the staffing plan _____

Disciplines_____

Department_____Faculty_____

University_____

II. DATA RELATED TO THE COMPLIANCE WITH THE CONTEST CONDITIONS**1. Bachelor's Degree and Master's Degree**

No.	Higher Education Institution	Field	Period	Title

*the candidate has to have BSc and MSc in Biology Domain

2. PhD Studies

No.	PhD Organizing Institution	Field	Period	Scientific title

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*the candidate has to have PhD in Biology Domain

3. *Studies and post-doctoral scholarships*

No.	Organizing Institution	Field	Period	Obs.

4. *Teaching/professional degrees*

No.	Institution	Field	Period	Title/teaching function/ professional degree

III. SPECIFIC DATA REGARDING THE COMPLIANCE WITH REQUIREMENTS AND STANDARDS

1. *Assistant Lecturer*

- a) the candidate must hold a doctoral degree/diploma or be enrolled in a doctoral programme, without exceeding the maximum period of study, which includes extensions permitted by law;
- b) publication of at least a number of 3 papers in ISI journals
- c) obtaining the minimum score related to assistant lecturer position according to the attached File of the minimum standards achievement

*** individual scores will be filled in the Minimum standards achievement file**

ACCOMPLISHED/NOT ACCOMPLISHED

2. *Senior Lecturer*

- a) the candidate must hold a doctoral degree/diploma
- b) the production, at least in electronic format, of specialist teaching material, posted on the UO's e-learning platform (e.uoradea.ro), in the field of the disciplines included in the position, or a specialist book, in the field of the job;

- c) publication of at least 10 papers in ISI journals
- d) obtaining the minimum score related to senior lecturer position according to the attached File of the minimum standards achievement
- e) supervision of a minimal number of 3 BSc/MSc Degree Thesis

*** individual scores will be filled in the Minimum standards achievement file**

ACCOMPLISHED/NOT ACCOMPLISHED

3. Associate Professor

- a) the candidate must hold a doctoral degree/diploma
- b) compliance with the national minimum standards for the position of associate professor, standards approved under Paper 156 of the Law on Higher Education No 199/2023, as amended and supplemented
- c) publication of at least 20 papers in ISI journals
- d) supervision of a minimal number of 10 BSc/MSc Degree Thesis

*** individual scores will be filled in the Minimum standards achievement file**

ACCOMPLISHED/NOT ACCOMPLISHED

4. Professor

- a) the candidate must hold a doctoral degree/diploma
- b) the candidate must hold a habilitation certificate
- c) the candidate must meet the minimum standards for the position of university professor, standards approved under Paper 156 of the Law on Higher Education No 199/2023, as amended:
- d) publication of at least 35 papers in ISI journals
- e) supervision of a minimal number of 15 BSc/MSc Degree Thesis

*** individual scores will be filled in the Minimum standards achievement file**

ACCOMPLISHED/NOT ACCOMPLISHED

Minimum standards achievement file

BSc, MSc and PHD in Biology Domain

I1. Papers in ISI journals, as main author

Main author means first, correspondent, last author

Nr.crt	Paper data (Authors, year, title, journal, volume, pages)	AIS	Citations (Authors, year, journal, volume, pages)	Citation source (ISI, Scopus)	Detailed calculation $1 \times [4 + (7 \times AI1) + c1]$	Score
	Cumulate AIS				TOTAL	

I2. Papers in ISI journals, as contributor

Contributor means any position, except the positions mentioned at main author

Nr.crt	Paper data (Authors, year, title, journal, volume, pages)	AIS	Citations (Authors, year, journal, volume, pages)	Citation source (ISI, Scopus)	Detailed calculation $0.7 \times [4 + (7 \times AI1) + c1]$	Score
	TOTAL					

I3. Papers in BDI journals, as main author

Without abstracts, reviews, commemorations, notes!

Nr.crt.	Paper data (Authors, year, title, journal, volume, pages)	BDI	Score $1 + c_i$
		TOTAL	

I4. Papers in BDI journals, as contributor

Without abstracts, reviews, commemorations, notes!

Nr.crt.	Paper data (Authors, year, title, journal, volume, pages)	BDI	Score $0,7 \times \Sigma(1 + c_i)$
		TOTAL	

I5. Books published at prestigious international publishing houses

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation $[(100 + c) / n]$	Score
					TOTAL	

I6. Books published at other international publishing houses

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(40+c) / n]	Score
					TOTAL	

I7. Books published at Romanian Academy Publishing house

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(40+c) / n]	Score
					TOTAL	

I8. Books published at Publishing house from universities

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(20+c) / n]	Score
					TOTAL	

I9. Books published at other Romanian Publishing houses

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation n [(20+c) / n]	Score
					TOTAL	

I10. Chapters in volumes published at prestigious international publishing houses

Nr.crt.	Paper data (Authors, year, title, chapter, pages, editors, book title)	Country	Publishing house	ISBN	Detailed calculation [(50+c) / n]	Score
					TOTAL	

I11. Chapters in volumes published at international publishing houses

Nr.crt.	Paper data (Authors, year, title, chapter, pages, editors, book title)	Country	Publishing house	ISBN	Detailed calculation [(20+c) / n]	Score
					Total	

I12. Chapters in volumes published at national publishing houses

Nr.crt.	Paper data (Authors, year, title, chapter, pages, editors, book title)	Country	Publishing house	ISBN	Detailed calculation [(10+c) / n]	Score

					TOTAL	
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I13. Editor/coordinator of books published at prestigious international publishing houses

Nr.crt.	Data about the publication (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(50+c) / n]	Score
					TOTAL	

I14. Editor/coordinator of books published at international publishing houses

Nr.crt.	Data about the publication (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(30+c) / n]	Score
					TOTAL	

I15. Editor/coordinator of books published at national publishing houses

Nr.crt.	Data about the publication (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(20+c) / n]	Score
					TOTAL	

AI1, AI2 ..., AIN AIS factor (Paper Influence Score), according to <http://eigenfactor.org>, in the moment of publishing; for papers published before 1997 AIS score from 1997 has to be considered. In the category ISI papers are included also the homologated patents by European Office of Patents and Offices from Switzerland, Norway, United States and Japan are considered AIS = 0,00 and the calculation depending on the author position (according to formula 1 or 2) for each patent. In category BDI*** are included the patents homologated by OSIM, keeping the calculation mode depending on the authors position.

including the chapters from series of books indexed ISI;

c1, c2 number of citations without autocitations for paper 1, 2..., N, taken from Web of Science or Scopus, in the time of the dossier preparation, specifying the used source.

c - citations without autocitations taken from Web of Science or Scopus in the time of the dossier submission, specifying the used source. In the category book the popularization brochures are not included.

N – total number of papers in the that category respectivă (without abstracts, reviews, commemorations, notes!).

n – number of authors (ed., red., coord., for the edited/elaborated books/chapters).

For papers published in extenso in Proceedings edited by journals with notable international visibility (ISI), these papers, if they have at least 3 citations on the Web of Science or Scopus, they can be taken into account at no. 1 and 2 (table 1), being considered in the respective formulas with AIS = 0.

* Main author means first, correspondent, last author

are considered "papers in ISI-listed journals", only papers that are listed in the Web of Science Core Collection under the name of the candidate at the time of submission of the contest dossier;

** Contributor means any position, except the positions mentioned at main author

*** BDI (international databases) are considered internationally recognized scientific data bases, such as: Scopus(Elsevier), Web of Science, CAE, ProQuest, EBSCO, CSA/Biological Sciences, Index Copernicus, Springerlink.

**** the prestigious international publishing houses are: the publishing houses of the Universities listed in "Top 500", Springer Verlag, Blackwell, London Academic Press, NY: Chapman & Hall, Kluwer Academic Press, Elsevier, Washington: National Academy Press, Smithsonian Institution Press, Kew Royal Botanic Gardens, Masson Paris, Sinauer.

Table 2. Minimal standards

Paramether	Assistant lecturer	Senior lecturer	Associate professor	Professor
\sum_{1-2} (international recognition)	10	50	90	150
\sum_{1-15} (total performance)	15	100	150	250

I hereby confirm that the above-mentioned data are true and refer to my own professional and scientific work.

Date _____

Candidate _____

APPRAISAL REPORT
of the candidate for the position

BIOLOGY

CANDIDATE DATA

SURNAME _____ NAME _____ PNC _____

Position to apply for _____ Disciplines _____

Position in the staffing plan _____ Department _____

Faculty _____

I. EVALUATION OF TEACHING AND SCIENTIFIC ACTIVITY**Minimum standards achievement file****BSc, MSc and PHD in Biology Domain****I1. Papers in ISI journals, as main author**

Main author means first, correspondent, last author

N r. c r t	Paper data (Authors, year, title, journal, volume, pages)	AIS	Citations (Authors, year, journal, volume, pages)	Citation source (ISI, Scopus)	Detailed calculatio n $1 \times [4 + (7 \times$ $AI1) + c1]$	Score
	Cumulate AIS				TOTAL	

I2. Papers in ISI journals, as contributor

Contributor means any position, except the positions mentioned at main author

N r. c r t.	Paper data (Authors, year, title, journal, volume, pages)	AIS	Citations (Authors, year, journal, volume, pages)	Citatio n source (ISI, Scopus)	Detailed calculatio n $0.7 \times [4 + (7$ \times $AI1) + c1]$	Score

	TOTAL					

I3. Papers in BDI journals, as main author

Without abstracts, reviews, commemorations, notes!

Nr.crt.	Paper data (Authors, year, title, journal, volume, pages)	BDI	Score 1+c_i
		TOTAL	

I4. Papers in BDI journals, as contributor

Without abstracts, reviews, commemorations, notes!

Nr.crt.	Paper data (Authors, year, title, journal, volume, pages)	BDI	Score 0,7 x Σ(1+c_i)
		TOTAL	

I5. Books published at prestigious international publishing houses

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(100+c) / n]	Score
					TOTAL	

I6. Books published at other international publishing houses

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(40+c) / n]	Score
					TOTAL	

I7. Books published at Romanian Academy Publishing house

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(40+c) / n]	Score
					TOTAL	

I8. Books published at Publishing house from universities

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(20+c) / n]	Score
					TOTAL	

I9. Books published at other Romanian Publishing houses

Nr.crt.	Paper data (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(20+c) / n]	Score
					TOTAL	

					TOTAL	

I10. Chapters in volumes published at prestigious international publishing houses

Nr.crt.	Paper data (Authors, year, title, chapter, pages, editors, book title)	Country	Publishing house	ISBN	Detailed calculation [(50+c) / n]	Score
					TOTAL	

I11. Chapters in volumes published at international publishing houses

Nr.crt.	Paper data (Authors, year, title, chapter, pages, editors, book title)	Country	Publishing house	ISBN	Detailed calculation [(20+c) / n]	Score
					Total	

I12. Chapters in volumes published at national publishing houses

Nr.crt.	Paper data (Authors, year, title, chapter, pages, editors, book title)	Country	Publishing house	ISBN	Detailed calculation [(10+c) / n]	Score
					TOTAL	

I13. Editor/coordinator of books published at prestigious international publishing houses

Nr.crt.	Data about the publication (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(50+c) / n]	Score
					TOTAL	

I14. Editor/coordinator of books published at international publishing houses

Nr.crt.	Data about the publication (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(30+c) / n]	Score
					TOTAL	

I15. Editor/coordinator of books published at national publishing houses

Nr.crt.	Data about the publication (Authors, year, title, pages)	Country	Publishing house	ISBN	Detailed calculation [(20+c) / n]	Score
					TOTAL	

AI1, AI2 ..., AIN AIS factor (Paper Influence Score), according to <http://eigenfactor.org>, in the moment of publishing; for papers published before 1997 AIS score from 1997 has to be considered. In the category ISI papers are included also the homologated patents by European Office of Patents and Offices from Switzerland, Norway, United States and Japan are considered AIS = 0,00 and the calculation depending on the author position (according to formula 1 or 2) for each patent. In category BDI*** are included the patents homologated by OSIM, keeping the calculation mode depending on the authors position.

including the chapters from series of books indexed ISI;

c1, c2 number of citations without autocitations for paper 1, 2..., N, taken from Web of Science or Scopus, in the time of the dossier preparation, specifying the used source.

c - citations without autocitations taken from Web of Science or Scopus in the time of the dossier submission, specifying the used source. In the category book the popularization brochures are not included.

N – total number of papers in the that category respectivă (without abstracts, reviews, commemorations, notes!).

n – number of authors (ed., red., coord., for the edited/elaborated books/chapters).

For papers published in extenso in Proceedings edited by journals with notable international visibility (ISI), these papers, if they have at least 3 citations on the Web of Science or Scopus, they can be taken into account at no. 1 and 2 (table 1), being considered in the respective formulas with AIS = 0.

* Main author means first, correspondent, last author

are considered "papers in ISI-listed journals", only papers that are listed in the Web of Science Core Collection under the name of the candidate at the time of submission of the contest dossier;

** Contributor means any position, except the positions mentioned at main author

*** BDI (international databases) are considered internationally recognized scientific data bases, such as: Scopus(Elsevier), Web of Science, CAE, ProQuest, EBSCO, CSA/Biological Sciences, Index Copernicus, Springerlink.

**** the prestigious international publishing houses are: the publishing houses of the Universities listed in "Top 500", Springer Verlag, Blackwell, London Academic Press, NY: Chapman & Hall, Kluwer Academic Press, Elsevier, Washington: National Academy Press, Smithsonian Institution Press, Kew Royal Botanic Gardens, Masson Paris, Sinauer.

Table 2. Minimal standards

Paramether	Assistant lecturer	Senior lecturer	Associate professor	Professor	Score of the candidate
Σ_{1-2} (international recognition)	10	50	90	150	
Σ_{1-15} (total performance)	15	100	150	250	

Score of test 1 _____

REQUIREMENTS AND STANDARDS

ACCOMPLISHED/NOT ACCOMPLISHED

II. WRITTEN AND PRACTICAL TEST, etc. (for assistant lecturer positions)

TEACHING LECTURE (for university professor, associate professor, senior lecturer positions)

II. EVALUATION OF THE TEACHING ACTIVITY

a)

WRITTEN TEST and PRACTICAL TEST (for positions of assistant lecturer), each graded separately. **Mandatory minimum score 8 (eight) for each. The final score of the II evaluation will be the arithmetic mean of the score obtained the written test and practical exam.**

TEACHING LECTURE (for the positions: professor, associate professor, lecturer).

The candidate **has/does not have** the knowledge and skills required for the position. The score awarded also takes into account the candidate's proposed academic career development.

Given ratings:

- *very well (mandatory to get) (for the positions: associate professor, professor)- equivalent with 10 (zece)*
- *minimum 8(opt) – for the lecturer position*

b) LECTURE to defend the proposal of the university career development plan

Given ratings:

- *very well (mandatory to get) (for the positions: associate professor, professor)- equivalent with 10 (zece)*
- *minimum 8(opt) – for the lecturer position*

Score of test II (score a+ score b)/2

FINAL SCORE _____ (obtained in tests I and II) **PF** _____ (obtained in evaluations I and II is calculated according to the formula):

$$PF = (P_i / P_{\max} \times 10) + P_{II}$$

P_i – the score obtained by the candidate at evaluation I

P_{max} - the score obtained by the candidate with the highest value at evaluation I

P_{II} - the score obtained by the candidate at evaluation II

Following the evaluation of the candidate _____, registered in the contest for the position of _____, position nr. _____, Department _____, Faculty _____, by ranking the results of the candidates (if applicable), he/she occupies the position _____ and I propose that he/she should **fill** / **not fill** the position for which he/she applied.

Date _____

Committee member _____

CHECKLIST - VERIFICATION OF COMPLIANCE**with the minimum standards****for the filling of teaching and research positions***Chemistry***I. CANDIDATE DATA**

SURNAME_____NAME_____PNC_____

Position_____Disciplines_____

Position in the staffing plan_____Department_____

Faculty_____

Present teaching position_____ Position in the staffing plan _____

Disciplines_____

Department_____Faculty_____

University_____

II. DATA RELATED TO THE COMPLIANCE WITH THE CONTEST CONDITIONS**1. Bachelor's Degree and Master's Degree**

No.	Higher Education Institution	Field	Period	Title

2. PhD Studies

No.	PhD Organizing Institution	Field	Period	Scientific title

3. Studies and post-doctoral scholarships

No.	Organizing Institution	Field	Period	Obs.

4. Teaching/professional degrees

No.	Institution	Field	Period	Title/teaching function/professional degree

III. SPECIFIC DATA REGARDING THE COMPLIANCE WITH REQUIREMENTS AND STANDARDS

1. Assistant Lecturer

- c) the candidate must hold a doctoral degree/diploma or be enrolled in a doctoral programme, without exceeding the maximum period of study, which includes extensions permitted by law;
- d) publication of at least 1 work (article, study), in extenso, in specialized journals or in volumes of national or international scientific events, or
- c) other additional standards, specific to Chemistry Department mentioned in the faculty's own procedure, approved by the UO University Senate, without the imposition of seniority requirements, as required by law, as presented in the table with Supplementary Standards for Assistant Lecturer.

ACCOMPLISHED/NOT ACCOMPLISHED

2. Senior Lecturer

- f) the candidate must hold a doctoral degree/diploma
- g) publication of at least 5 papers (articles, studies), in extenso, in specialist journals or in volumes of national or international scientific events, or:
- h) the production, at least in electronic format, of specialist teaching material, posted on the UO's e-learning platform (e.uoradea.ro), in the field of the disciplines included in the position, or a specialist book, in the field of the job;
- i) other additional standards, specific to Chemistry Department mentioned in the faculty's own procedure, approved by the UO University Senate, without the imposition of seniority requirements, as required by law, as presented in the table with Supplementary Standards for Senior Lecturer.

ACCOMPLISHED/NOT ACCOMPLISHED

3. Associate Professor

- d) the candidate must hold a doctoral degree/diploma
- e) compliance with the national minimum standards for the position of associate professor, standards approved under Article 156 of the Law on Higher Education No 199/2023, as amended and supplemented
- f) other additional standards, specific to Chemistry Department mentioned in the faculty's own procedure, approved by the UO University Senate, without the imposition of seniority requirements, as required by law, as presented in the table with Supplementary Standards for *Associate Professor*.

ACCOMPLISHED/NOT ACCOMPLISHED

4. Professor

- e) the candidate must hold a doctoral degree/diploma
- f) the candidate must hold a habilitation certificate
- g) the candidate must meet the minimum standards for the position of university professor, standards approved under Article 156 of the Law on Higher Education No 199/2023, as amended:
- h) other additional standards, specific to Chemistry Department mentioned in the faculty's own procedure, approved by the UO University Senate, without the imposition of seniority requirements, as required by law, **as presented in the table with Supplementary Standards for Professor.**

ACCOMPLISHED/NOT ACCOMPLISHED

CHECKLIST - VERIFICATION OF COMPLIANCE

WITH THE MINIMUM STANDARDS

I.1– Score P1-CNATDCU Standards- (*Associate Professor*. And *Professor*).

Category	Calculation	Scoring P1	Criterion accomplished
N_{max} (*)	the first maximum N papers, organized in descending order of the impact factors of the journals in which they were published		Yes/No
FIC (**)	Cumulative Impact Factor of the journals in which the papers in question were published		Yes/No
n_D (***)	minimum number of papers in the declared research field		Yes/No
n_{AP} (****)	minimum number of papers as main author (first author and corresponding author)		Yes/No
h index	Hirsch Index		Yes/No
Grants(****)	grants won in competitions, as director		Yes/No
Special Conditions	papers in journals with IF> 3		Yes/No
Minimum CNATDCU Score /position			Yes/No

Minimum CNATDCU Standards for teaching and research positions

Category	Assistant Lecturer	Senior Lecturer	<i>Associate professor / C S2</i>	<i>Professor / CS1</i>
N_{max} (*)	-	-	30	60
FIC (**)	-	-	50	120
n_D (***)	-	-	-	40
n_{AP} (****)	-	-	15	30
h index	-	-	10	14
Grants (****)	-	-	-	2
Special conditions	-	-	-	10
Minimum score P1	-	-	105	276

(*) **N_{max}** - the first maximum N papers, organized in descending order of the impact factors of the journals in which they were published

(**) **FIC** - Cumulative Impact Factor of the journals in which the papers in question were published

(***) **nd** - minimum number of papers in the declared research field

(****) **n_{AP}** -; minimum number of papers as main author (first author and corresponding author)

a) (*****) grants won in competitions, as director.

ACCOMPLISHED/NOT ACCOMPLISHED

I.2. Score P2 -SUPPLEMENTARY STANDARDS

Supplementary teaching and professional standards, calculated for the entire activity,

Criterion C1 – Teaching activity		Explicit calculation of the scoring	Minimum Scoring/ position	Criterion accomplished
C1.1	Types of courses	30/course		
C1.2	Types of seminars, laboratories, practical activities	15/activity		
C1.3	Own university courses/book with ISBN (printed or in electronic format) at recognized publishing houses.	$\frac{nr. pag}{nr. authors} \cdot 0.2$		
C1.4	Own study materials for courses, seminars and/or laboratories (printed or in electronic format).	$\frac{nr. pag}{nr. authors} \cdot 0.15$		
		Total C1	Minimum C1 Score	Yes/No
Criterion C2 – Scientific activity				
C2.1	Student counseling activity (year advisors, tutors)	5/year		
C2.2	Leading student's scientific activities	2/activity		
C2.3	Coordination of undergraduate thesis and dissertation thesis (the total number of coordinated works will be calculated)	6/thesis		
C2.4	Scientific papers published in the field (BDI journals, volume with ISBN, national or international conference)	5 /paper		
C2.5	Other scientific activities (ISI paper, member of research contract, patent, etc.)-(only for Assistant Lecturer and Senior Lecturer)	6/activity		
		Total C2	Minimum C2 Score	Yes/No
Criterion C3 – Administrative and organizational activity				

C3.1	Member of organizing commission for scientific events, school and/or student competitions	5/event		
C3.2	Member of competition commissions for the occupation of teaching positions in education	5/commission		
C3.3	Member RAE elaboration commission	5/commission		
C3.4	Member in the commission for promotion and admission	5/year		
C3.5	Member of graduation commission, including the supervisory activity	5/commission		
C3.6	Member in Faculty Commissions	5/commission/ year		
C3.7	Member in University Commissions	10/commission /year		
		Total C3	Minimum C3 Score	Yes/No
Criterion C4 – National/international recognition				
C4.1.	Awards, distinctions, diplomas, medals	10/activity		
C4.2.	Editor of scientific journal	10/journal/year		
C4.3.	ISI, BDI Journal Review Scientific or technical board reviewer for ISI, BDI journals or scientific conferences	1/review 1/board/year		
C4.4	Function/Member in professional associations	2/1/Association		
		Total C4	Minimum C4 Score	Yes/No
	P2 Score	P2	Minimum P2	Yes/No

MINIMUM SUPPLEMENTARY STANDARDS

Criterion	Teaching position			
	Professor	Associate Professor	Senior Lecturer	Assistant Lecturer
C1	150	110	60	15
C2	230	130	60	25
C3	200	70	20	0
C4	20	10	0	0
Total	600	320	140	40
Calculation of P2 Score	Total/4	Total/4	Total/4	Total/4

Minimum P2 Score	150	80	35	10
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<i>ACCOMPLISHED/NOT ACCOMPLISHED</i>

Professor I hereby confirm that the above-mentioned data are true and refer to my own professional and scientific work.

Date _____

Candidate_____

APPRAISAL REPORT
of the candidate for the position*Chemistry***CANDIDATE DATA**

SURNAME _____ NAME _____ PNC _____

Position to apply for _____ Disciplines _____

Position in the staffing plan _____ Department _____

Faculty _____

I. EVALUATION OF TEACHING AND SCIENTIFIC ACTIVITY**I.1–Score P1-CNATDCU Standards- (*Associate Professor. And Professor*).**

Category	Calculation	Score P1	Criterion accomplished
N_{max} (*)	the first maximum N papers, organized in descending order of the impact factors of the journals in which they were published		Yes/No
FIC (**)	Cumulative Impact Factor of the journals in which the papers in question were published		Yes/No
n_D (***)	minimum number of papers in the declared research field		Yes/No
n_{AP} (****)	minimum number of papers as main author (first author and corresponding author)		Yes/No
h index	Hirsch Index		Yes/No
Grants (*****)	grants won in competitions, as director		Yes/No
Special Conditions	papers in journals with IF> 3		Yes/No

Minimum CNATDCU Score /position			Yes/No
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Minimum CNATDCU Standards for teaching and research positions

Category	Assistant Lecturer	Senior Lecturer	Associate professor / C S2	Professor / CS1
N_{max} (*)	-	-	30	60
FIC (**)	-	-	50	120
n_D (***)	-	-	-	40
n_{AP} (****)	-	-	15	30
h index	-	-	10	14
Grants (*****)	-	-	-	2
Special Conditions	-	-	-	10
Minimum Score P1	-	-	105	276

(*) **N_{max}** - the first maximum N papers, organized in descending order of the impact factors of the journals in which they were published

(**) **FIC** - Cumulative Impact Factor of the journals in which the papers in question were published

(***) **n_D** - minimum number of papers in the declared research field

(****) **n_{AP}** -; minimum number of papers as main author (first author and corresponding author)

a) (*****) grants won in competitions, as director.

I.2. Score P2 -SUPPLEMENTARY STANDARDS

Supplementary didactic and professional standards, calculated for the entire activity,

Criterion C1 – Teaching activity		Explicit calculation of the scoring	Minimum Scoring/ position	Criterion accomplished
C1.1	Types of courses	30/course		
C1.2	Types of seminars, laboratories, practical activities	15/activity		
C1.3	Own university courses/book with ISBN (printed or in electronic format) at recognized publishing houses.	$\frac{no. pag}{no. authors} \cdot 0.2$		

C1.4	Own study materials for courses, seminars and/or laboratories (printed or in electronic format).	$\frac{no. pag}{no. authors} \cdot 0.15$		
		Total C1	Minimum C1 Scoring	Yes/No
Criterion C2 – Scientific activity				
C2.1	Student counseling activity (year advisors, tutors)	5/year		
C2.2	Leading student's scientific activities	2/activity		
C2.3	Coordination of undergraduate thesis and dissertation thesis (the total number of coordinated works will be calculated)	6/thesis		
C2.4	Scientific papers published in the field (BDI journals, volume with ISBN, national or international conference)	5 /paper		
C2.5	Other scientific activities (ISI paper, member of research contract, patent, etc.)-(only for Assistant Lecturer and Senior Lecturer)	6/activity		
		Total C2	Minimum C2 Score	Yes/No
Criterion C3 – Administrative and organizational activity				
C3.1	Member of organizing commission for scientific events, school and/or student competitions	5/event		
C3.2	Member of competition commissions for the occupation of teaching positions in education	5/commission		
C3.3	Member RAE elaboration commission	5/commission		
C3.4	Member in the commission for promotion and admission	5/year		
C3.5	Member of graduation commission, including the supervisory activity	5/commission		
C3.6	Member in Faculty Commissions	5/commission/ year		
C3.7	Member in University Commissions	10/commission /year		
		Total C3	Minimum C3 Score	Yes/No
Criterion C4 – National/international recognition				
C4.1.	Awards, distinctions, diplomas, medals	10/activity		
C4.2.	Editor of scientific journal	10/journal/year		
C4.3.	ISI, BDI Journal Review	1/review 1/board/year		

	Scientific or technical board reviewer for ISI, BDI journals or scientific conferences			
C4.4	Function/Member in professional associations	2/1/Association		
		Total C4	Minimum C4 Score	Yes/No
	P2 Score	P2	Minimum P2	Yes/No

MINIMUM SUPPLEMENTARY STANDARDS

Criterion	Teaching position			
	Professor	Associate Professor	Senior Lecturer	Assistant Lecturer
C1	150	110	60	15
C2	230	130	60	25
C3	200	70	20	0
C4	20	10	0	0
Total	600	320	140	40
Calculation of P2 Score	Total/4	Total/4	Total/4	Total/4
Minimum P2 Score	150	80	35	10

SCORE OF TEST I _____ **PI**__ is calculated with the formula:

$$PI = 5 \left(\frac{PI.1}{PI.1, max} + \frac{PI.2}{PI.2, max} \right)$$

where PI.1 max and PI.2 max- are the highest scores obtained by the candidates calculated according to CNATDCU standards, respectively supplementary standards.

REQUIREMENTS AND STANDARDS	ACCOMPLISHED/NOT ACCOMPLISHED
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II. WRITTEN - PRACTICAL TEST, etc. (for assistant lecturer positions)

TEACHING LECTURE (for senior lecturer, associate professor, professor positions)

According to Art. 16 of the own competition Methodology for filling vacant teaching and research positions in the University of Oradea, candidates who meet the legal conditions for submission to the competition and have received a favorable legal opinion will be invited by

the UO to take the competition tests. On the website of the UO, the following are announced: the day, time, and place of the competition tests.

II.1. WRITTEN - PRACTICAL TEST, etc. (for assistant lecturer positions)

The competition contains a written test and a practical test. The topic of the practical test is established by the president of the competition commission, with the consultation of its members, and is announced at least 3 working days before the test on the competition web page, together with the day, time, and place of the competition, thus inviting all candidates to support competition tests.

The tests will be scored separately. Mandatory minimum score 8(eight) for each test. The final score of test II.1 will be represented by the arithmetic mean of the score obtained in the written and the practical test.

II.1. TEACHING LECTURE (for senior lecturer, associate professor, professor positions)

The competition test is represented by a teaching lecture. This test must also contain a question session from the commission. The topic of the teaching lecture is established by the president of the competition commission, with the consultation of its members, and is announced at least 3 working days before the test on the competition website, specifying with the day, time and place of the competition, thus inviting all candidates to support competition tests.

The score of test P II.1 will be calculated as the arithmetic mean of the scores of written and practical test for Assistant Lecturer.

Points awarded: minimum (compulsory) - 8 points, maximum - 10 points

The candidate has/does not have the knowledge and skills required for the position. The score awarded also considers the candidate's proposed academic career development.

Score of test P.II.1. _____

Position	Proba		Score PII.1	Yes/No
Assistant Lecturer	Written test			
	Practical test			
Senior lecturer/Assistant Professor/Professor	Teaching lecture			

II.2. LECTURE ON THE UNIVERSITY CAREER DEVELOPMENT PLAN

Points awarded: minimum (compulsory) - 8 points, maximum - 10 points

The commission evaluates the teaching and research part in equal proportions.

Score of test P.II.2. _____

SCORE OF TEST PII. _____

The score of test P.II will be calculated as the arithmetic mean of the scores of PII.1. and PII.2

FINAL SCORE __PF_____ is given by the formula: **PF= PI+PII**

In the case of several candidates, they will rank in order of the FINAL SCORE, PF.

Following the evaluation of the candidate _____, registered in the contest for the position of _____, position nr. _____, Department _____, Faculty _____, by ranking the results of the candidates (if applicable), he/she occupies the position _____ and I propose that he/she should fill / not fill the position for which he/she applied.

Date _____

Commission member _____

CHECKLIST - VERIFICATION OF COMPLIANCE
with the minimum standards
for the filling of teaching and research positions

PHYSICS Field

I. CANDIDATE DATA

SURNAME_____NAME_____PNC_____

Position_____Disciplines_____

Position in the staffing plan_____Department_____

Faculty_____

Present teaching position_____ Position in the staffing plan _____

Disciplines_____

Department_____Faculty_____

University_____

II. DATA RELATED TO THE COMPLIANCE WITH THE CONTEST CONDITIONS

1. Bachelor's Degree and Master's Degree

No.	Higher Education Institution	Field	Period	Title

2. PhD Studies

No.	PhD Organizing Institution	Field	Period	Scientific title

3. Studies and post-doctoral scholarships

No.	Organizing Institution	Field	Period	Obs.

4. Teaching/professional degrees

No.	Institution	Field	Period	Title/teaching function/ professional degree

III. SPECIFIC DATA REGARDING THE COMPLIANCE WITH REQUIREMENTS AND STANDARDS

1. Assistant Lecturer

- e) the candidate must hold a doctoral degree/diploma or be enrolled in a doctoral programme, without exceeding the maximum period of study, which includes extensions permitted by law;
- f) publication of at least 1 work (article, study), in extenso, in specialised journals or in volumes of national or international scientific events, or
 - for the fields of *Visual Arts and Architecture and Urbanism* (excluding History and Theory of Art): at least 1 artistic research activity and/or participation in the following categories: solo exhibitions, group exhibitions, fashion shows, design or architecture projects presented in a professional setting relevant to the field, at national or international level

- for *Music* (only for performers): at least 1 achievement in the categories: recitals or concerts as a soloist, member of a chamber ensemble with up to 10 performers, conductor, soloist with orchestra at home or abroad.
- c) other additional standards, specific to each faculty/department/centre, mentioned in the faculty's own procedure, approved by the UO University Senate, without the imposition of seniority requirements, as required by law: according to the table Supplementary Standards - Assistant Lecturer

<p style="text-align: center;">ACCOMPLISHED/ NOT ACCOMPLISHED</p>
--

2. Senior Lecturer

- a) the candidate must hold a doctoral degree/diploma
- b) publication of at least 5 papers (articles, studies), in extenso, in specialist journals or in volumes of national or international scientific events, or:
- for the fields of Visual Arts and Architecture and Urbanism (excluding History and Theory of Art): at least 5 achievements and/or participations, as an artistic research activity, in the categories: solo exhibitions, group exhibitions, fashion shows, design or architecture projects presented in a professional setting relevant to the field of activity, at national or international level.
 - for Music (only for performers): at least 5 achievements in the categories: recitals or concerts as a soloist, member of a chamber orchestra with up to 10 performers, conductor, soloist with orchestra at home or abroad.
- c) the production, at least in electronic format, of specialist teaching material, posted on the UO's e-learning platform (e.uoradea.ro), in the field of the disciplines included in the position, or a specialist book, in the field of the job;
- d) other additional standards, specific to each faculty/department/centre, mentioned in the faculty's own procedure, approved by the UO University Senate, without the imposition of seniority requirements, as required by law: according to the table Supplementary Standards - Senior Lecturer

<p style="text-align: center;">ACCOMPLISHED/ NOT ACCOMPLISHED</p>
--

3. Associate Professor

- g) the candidate must hold a doctoral degree/diploma
- h) compliance with the national minimum standards for the position of associate professor, standards approved under Article 156 of the Law on Higher Education No 199/2023, as amended and supplemented

- i) other additional standards, specific to each faculty/department/centre, mentioned in the faculty's own procedure, approved by the UO University Senate, without the imposition of seniority requirements, as required by law: according to the table Supplementary Standards - Associate Professor

<p><i>ACCOMPLISHED/ NOT ACCOMPLISHED</i></p>
--

4. Professor

- i) the candidate must hold a doctoral degree/diploma
- j) the candidate must hold a habilitation certificate
- k) the candidate must meet the minimum standards for the position of university professor, standards approved under Article 156 of the Law on Higher Education No 199/2023, as amended:
- l) other additional standards, specific to each faculty/department/centre, mentioned in the faculty's own procedure, approved by the UO University Senate, without the imposition of seniority requirements, as required by law: according to the table Supplementary Standards - Professor

<p><i>ACCOMPLISHED/ NOT ACCOMPLISHED</i></p>
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CHECKLIST - VERIFICATION OF COMPLIANCE WITH THE MINIMUM STANDARDS

I.1. Score PI.1 – CNATDCU minimum standards (for associate professor and professor)

CLARIFICATION:

1. AIS_i is the absolute influence score of the scientific journal in which paper i was published, corresponding to its publication year according to www.eigenfactor.org for papers published up to 2006 and Journal Citation Report (ISI Web of Science) starting from 2007; if the year of publication is not found in the database, the closest year will be chosen.
2. n_i^{ef} represents the actual number of authors of item i and takes the following values: n_i , if $n_i \leq 5$; $(n_i + 5)/2$, if $5 < n_i \leq 15$; $(n_i + 15)/3$, if $15 < n_i \leq 75$; and $(n_i + 45)/4$, if $n_i > 75$, where n_i is the number of authors of item i . In the case of HEPP (High Energy Particle Physics) publications with a large number of authors, if the paper is based on an internal note of the experiment of which the candidate is a co-author than n_i^{ef} can be given by the number of authors in the internal note.
3. The Hirsch index h is defined as follows: an author has a Hirsch index h if he has published h papers that have each been cited at least h times. The ISI Web of Science database will be used to calculate the Hirsch index.
4. "Article. Proceedings paper" can be considered at points 1.6 or 2, only once, at the candidate's choice.
5. Web of Science recognized publishers can be found on the Web of Science - Master Book List - Publishers website (<http://workinfo.com/mbl/publishers/>)
6. It is recommended that each candidate create a Researcher ID account for facilitating Data on research activity and recognizing the impact of the activity

1. Teaching and professional activity

A1. Books in international publishers recognized by Web of Science as an author

No.	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $4/n^{ef}$
	TOTAL A₁	

A2. Book chapters in international publishers recognized by Web of Science as an author / Reviews in ISI listed journals

No.	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $1/n^{ef}$
	TOTAL A₂	

A3. Books in international publishing houses recognized by Web of Science as publisher

No.	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $0.5/n^{ef}$
	TOTAL A₃	

A4. Books, textbooks, laboratory guidance in national or other international publishers as an author, internal notes, presentations given for the approval of data analyzes in large collaborations

No.	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $0.5/n^{ef}$
	TOTAL A₄	

A5. Book chapters in national or other international publishers as an author

No.	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $0.2/n^{ef}$
	TOTAL A₅	

A6. Full-length papers (at least 3 pages) published in ISI indexed Proceedings

No.	Paper identification data (authors, title, journal/conference)	Detailed calculation $0.2/n^{ef}$
	TOTAL A₆	

A7. International patents granted

No.	Patent identification data (authors, title, registration number, etc.)	Detailed calculation $3/n^{ef}$
	TOTAL A₇	

A8. National patents granted

No.	Patent identification data (authors, title, registration number, etc.)	Detailed calculation $0.5/n^{ef}$
	TOTAL A₇	

A9. Director/responsible/coordinator for study programs, continuing education programs, educational projects and infrastructure projects (research projects are excluded)

No.	Program/project identification data	0.5/ program or project
	TOTAL A₉	

A10. Director/responsible for research projects worth V_i euros, won through national or international competition (projects from A9 are excluded)

No.	Program/project identification data	Detailed calculation $V_i/100000$
	TOTAL A₁₀	

Minimum criteria for teaching and professional activity

Assistant professor: $A = \sum_{i=1}^{10} A_i \geq 1$

Professor: $A = \sum_{i=1}^{10} A_i \geq 2$

2. Research activity

I. Original scientific papers in extenso as author

No.	Paper data (authors, year, title, journal, volume, pages)	n^{ef}	AIS	Detailed calculation $I_i = AIS/n^{ef}$
	TOTAL I			

P. Original full-length scientific papers as first author or corresponding author

No.	Paper data (authors, year, title, journal, volume, pages)	Detailed calculation $P_i = AIS$
	TOTAL P	

Minimum criteria for research activity

Assistant professor: $I \geq 2, P \geq 2$

Professor: $I \geq 4, P \geq 4$

3. Recognition the impact of the activity

C. Citations in scientific journals with an impact factor found in InCities Journal Citation Reports or books in Web of Science recognized publishers. Self-citations are excluded

No.	Paper data (authors, year, title, journal, volume, pages)	n ^{ef}	c _i (no. citation)	Detailed calculation $C_i = c_i / n^{ef}$
	TOTAL C			

Minimum criteria for recognizing the impact of the activity

Assistant professor: $C \geq 20, h \geq 5$

Professor: $C \geq 40, h \geq 10$

TOTAL SCORE- CNATDCU: $T = A + \frac{P}{2} + \frac{I}{2} + \frac{C}{20} + \frac{h}{5}$

Assistant professor: $T \geq 5$

Professor: $T \geq 12$

Remark: The T score in the CNATDCU grid represents the PI.1 score

I.2 Score PI.2 – SUPPLIMENTARY STANDARDS

Supplimentary Standards – *Senior Lecturer and Assistant Lecturer*

CriterionC1 – Teaching and professional activity		Score calculation	Score	Criterion Accomplished
C1.1	Specialized books published with ISBN	30/book		
C1.2	Study materials for seminars and/or own laboratories without ISBN (printed or in electronic format): problem collections, laboratory guides, etc.	20/ suport		
C1.3	Types of seminars, laboratories, practical activities (the number of all types of seminars, laboratories and practical activities taught will be calculated)	15/activity		
C1.4	Member of research projects, continuing education programs, educational projects and infrastructure projects	10/ project		
TOTAL C1				
CriterionC2 – Scientific activity		Score calculation	Score	Criterion Accomplished
C2.1	Original scientific papers in extenso as author, ISI indexed	15 /paper		
C2.2	Original scientific papers in extenso as author, BDI indexed	10/ paper		
C2.3	Full-length papers (at least 3 pages) published in ISI indexed Proceedings	8/ paper		
C2.4	Original scientific papers in extenso as author in volumes with ISBN, national or international conference	5/ paper		
TOTAL C2				

Supplementary Standards- Assistant professor and Professor

CriterionC1 – Teaching activity		Score calculation	Score	Criterion Accomplished
C1.1	Types of courses (the number of all types of courses taught will be calculated)	30/course		
C1.2	Types of seminars, laboratories, practical activities (the number of all types of seminars, laboratories and practical activities taught will be calculated)	15/activity		
C1.3	Own university courses without ISBN (print or electronic format)	90/course		
C1.4	Own study materials for seminars and/or own laboratories without ISBN (printed or in electronic format): problem collections, laboratory guides, etc.	40/support		
TOTAL C1				
CriterionC2 – Activity with students		Score calculation	Score	Criterion Accomplished
C2.1	Student counseling activity (year advisors, tutors) (total number of years)	5/year		
C2.2	Leading student scientific activities (total number of years)	10/activity		
C2.3	Coordination of undergraduate/ dissertation thesis (the total number of coordinated works will be calculated)			
C2.4	Scientific papers published together with students	5 /paper		
TOTAL C2				
CriterionC3 – Administrative and organizational activity		Score calculation	Score	Criterion Accomplished
C3.1	Member of the commission for organizing scientific events, school and/or student competitions (the total number of scientific events and competitions will be calculated)	10/event		
C3.2	Member of competition commissions for teaching positions in higher education (the total number of commissions will be calculated)	10/ commission		
C3.3	Member of the RAE elaboration commission (the total number of RAE commissions will be calculated)	15/ commission		
C3.4	Member in the commission for promotion and admission (the total number of years will be calculated)	5/year		

C3.5	Member of the graduation commission, including supervisory activity (the total number of years will be calculated)	5/ commission		
C3.6	Member of faculty commissions (for each commission the total number of years will be calculated)	5/ commission		
C3.7	Member of university commissions (for each commission the total number of years will be calculated)	5/commission		
TOTAL C3				
CriterionC4 – National/international recognition		Score calculation	Score	Criterion Accomplished
C4.1.	Awards, distinctions, diplomas, medals	10/distinction		
C4.2.	Journal editor	20/journal		
C4.3.	ISI, BDI Journal reviewer Scientific board reviewer for ISI, BDI journals, specialized conferences/year	5/review 5/board/year		
C4.4	Member of the professional association	10/ association		
TOTAL C4				

Supplementary Standards

Criterion	Minimum score– Additional Standards			
	<i>Professor</i>	<i>Assistant professor</i>	<i>Senior Lecturer</i>	<i>Assistant Lecturer</i>
C1	200	100	90	30
C2	200	100	60	20
C3	190	45	-	-
C4	10	5	-	-
TOTAL minimum score	600	250	150	50
Score PI.2	TOTAL/50	TOTAL /50	TOTAL /50	TOTAL /50

Minimum score

	<i>Professor</i>	<i>Assistant professor</i>	<i>Senior Lecturer</i>	<i>Assistant Lecturer</i>
CNATDCU (PI.1)	12	5	-	-
Supplimentary Standards PHYSICS (PI.2)	12	5	3	1

I hereby confirm that the above-mentioned data are true and refer to my own professional and scientific work.

Date _____

Candidate_____

APPRAISAL REPORT
of the candidate for the position

PHYSICS Field

CANDIDATE DATA

SURNAME _____ NAME _____ PNC _____

Position to apply for _____ Disciplines _____

Position in the staffing plan _____ Department _____

Faculty _____

I. EVALUATION OF SCIENTIFIC ACTIVITY**I.1. Score PI.1 – CNATDCU minimum standards (for associate professor and professor)****CLARIFICATION:**

1. AIS_i is the absolute influence score of the scientific journal in which paper i was published, corresponding to its publication year according to www.eigenfactor.org for papers published up to 2006 and Journal Citation Report (ISI Web of Science) starting from 2007; if the year of publication is not found in the database, the closest year will be chosen.
2. n_i^{ef} represents the actual number of authors of item i and takes the following values: n_i , if $n_i \leq 5$; $(n_i + 5)/2$, if $5 < n_i \leq 15$; $(n_i + 15)/3$, if $15 < n_i \leq 75$; and $(n_i + 45)/4$, if $n_i > 75$, where n_i is the number of authors of item i . In the case of HEPP (High Energy Particle Physics) publications with a large number of authors, if the paper is based on an internal note of the experiment of which the candidate is a co-author than n_i^{ef} can be given by the number of authors in the internal note.
3. The Hirsch index h is defined as follows: an author has a Hirsch index h if he has published h papers that have each been cited at least h times. The ISI Web of Science database will be used to calculate the Hirsch index.

4. "Article. Proceedings paper" can be considered at points 1.6 or 2, only once, at the candidate's choice.
5. Web of Science recognized publishers can be found on the Web of Science - Master Book List - Publishers website (<http://workinfo.com/mbl/publishers/>)
6. It is recommended that each candidate create a Researcher ID account for facilitating Data on research activity and recognizing the impact of the activity

1. Teaching and professional activity

A1. Books in international publishers recognized by Web of Science as an author

No .	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $4/n^{ef}$	Score
	TOTAL A₁		

A2. Book chapters in international publishers recognized by Web of Science as an author / Reviews in ISI listed journals

No .	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $1/n^{ef}$	Score
	TOTAL A₂		

A3. Books in international publishing houses recognized by Web of Science as publisher

No .	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $0.5/n^{ef}$	Score
	TOTAL A₃		

A4. Books, textbooks, laboratory guidance in national or other international publishers as an author, internal notes, presentations given for the approval of data analyzes in large collaborations

No .	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $0.5/n^{ef}$	Score
	TOTAL A₄		

A5. Book chapters in national or other international publishers as an author

No .	Work data (authors, year, title, pages, publisher, ISBN)	Detailed calculation $0.2/n^{ef}$	Score
	TOTAL A₅		

A6. Full-length papers (at least 3 pages) published in ISI indexed Proceedings

No .	Paper identification data (authors, title, journal/conference)	Detailed calculation $0.2/n^{ef}$	Score
	TOTAL A₆		

A7. International patents granted

No .	Patent identification data (authors, title, registration number, etc.)	Detailed calculation $3/n^{ef}$	Score
	TOTAL A₇		

A8. National patents granted

No .	Patent identification data (authors, title, registration number, etc.)	Detailed calculation $0.5/n^{ef}$	Score
	TOTAL A₇		

A9. Director/responsible/coordinator for study programs, continuing education programs, educational projects and infrastructure projects (research projects are excluded)

No.	Program/project identification data	0.5/ program or project	Score
	TOTAL A₉		

A10. Director/responsible for research projects worth V_i euros, won through national or international competition (projects from A9 are excluded)

N o.	Program/project identification data	Detailed calculation $V_i/100000$	Score
	TOTAL A₁₀		

Minimum criteria for teaching and professional activity

Assistant professor: $A = \sum_{i=1}^{10} A_i \geq 1$

Professor: $A = \sum_{i=1}^{10} A_i \geq 2$

2. Research activity

I. Original scientific papers in extenso as author

No .	Paper data (authors, year, title, journal, volume, pages)	n^{ef}	AIS	Detailed calculation $I_i = AIS/n^{ef}$	Score

	TOTAL I		
--	----------------	--	--

P. Original full-length scientific papers as first author or corresponding author

No.	Paper data (authors, year, title, journal, volume, pages)	Detailed calculation $P_i = AIS$	Score
	TOTAL P		

Minimum criteria for research activity

Assistant professor: $I \geq 2, P \geq 2$

Professor: $I \geq 4, P \geq 4$

3. Recognition the impact of the activity

C. Citations in scientific journals with an impact factor found in InCities Journal

Citation Reports or books in Web of Science recognized publishers. Self-citations are excluded

No.	Paper data (authors, year, title, journal, volume, pages)	n^e f	c_i (no. citation)	Detailed calculation $C_i = c_i / n^{ef}$	Score
	TOTAL C				

Minimum criteria for recognizing the impact of the activity

Assistant professor: $C \geq 20, h \geq 5$

Professor: $C \geq 40, h \geq 10$

TOTAL SCORE- CNATDCU: $T = A + \frac{P}{2} + \frac{I}{2} + \frac{C}{20} + \frac{h}{5}$

Assistant professor: $T \geq 5$

Professor: $T \geq 12$

Remark: The T score in the CNATDCU grid represents the PI.1 score

I.2 Score PI.2 - SUPPLEMENTARY STANDARDS

Supplementary Standards – *Senior Lecturer and Assistant Lecturer*

CriterionC1 – Teaching and professional activity		Score calculation	Score	Criterion Accomplished
C1.1	Specialized books published with ISBN	30/book		
C1.2	Study materials for seminars and/or own laboratories without ISBN (printed or in electronic format): problem collections, laboratory guides, etc.	20/ suport		
C1.3	Types of seminars, laboratories, practical activities (the number of all types of seminars, laboratories and practical activities taught will be calculated)	15/activity		
C1.4	Member of research projects, continuing education programs, educational projects and infrastructure projects	10/ project		
TOTAL C1				
CriterionC2 – Scientific activity		Score calculation	Score	Criterion Accomplished
C2.1	Original scientific papers in extenso as author, ISI indexed	15 /paper		
C2.2	Original scientific papers in extenso as author, BDI indexed	10/ paper		
C2.3	Full-length papers (at least 3 pages) published in ISI indexed Proceedings	8/ paper		
C2.4	Original scientific papers in extenso as author in volumes with ISBN, national or international conference	5/ paper		
TOTAL C2				

Supplementary Standards- Assistant professor and Professor

CriterionC1 – Teaching activity		Score calculation	Score	Criterion Accomplished
C1.1	Types of courses (the number of all types of courses taught will be calculated)	30/course		
C1.2	Types of seminars, laboratories, practical activities (the number of all types of seminars, laboratories and practical activities taught will be calculated)	15/activity		
C1.3	Own university courses without ISBN (print or electronic format)	90/course		
C1.4	Own study materials for seminars and/or own laboratories without ISBN (printed or in electronic format): problem collections, laboratory guides, etc.	40/support		
TOTAL C1				
CriterionC2 – Activity with students		Score calculation	Score	Criterion Accomplished
C2.1	Student counseling activity (year advisors, tutors) (total number of years)	5/year		
C2.2	Leading student scientific activities (total number of years)	10/activity		
C2.3	Coordination of undergraduate/ dissertation thesis (the total number of coordinated works will be calculated)			
C2.4	Scientific papers published together with students	5 /paper		
TOTAL C2				
CriterionC3 – Administrative and organizational activity		Score calculation	Score	Criterion Accomplished
C3.1	Member of the commission for organizing scientific events, school and/or student competitions (the total number of scientific events and competitions will be calculated)	10/event		
C3.2	Member of competition commissions for teaching positions in higher education (the total number of commissions will be calculated)	10/ commission		
C3.3	Member of the RAE elaboration commission (the total number of RAE commissions will be calculated)	15/ commission		
C3.4	Member in the commission for promotion and admission (the total number of years will be calculated)	5/year		

C3.5	Member of the graduation commission, including supervisory activity (the total number of years will be calculated)	5/ commission		
C3.6	Member of faculty commissions (for each commission the total number of years will be calculated)	5/ commission		
C3.7	Member of university commissions (for each commission the total number of years will be calculated)	5/commission		
TOTAL C3				
CriterionC4 – National/international recognition		Score calculation	Score	Criterion Accomplished
C4.1.	Awards, distinctions, diplomas, medals	10/distinction		
C4.2.	Journal editor	20/journal		
C4.3.	ISI, BDI Journal reviewer Scientific board reviewer for ISI, BDI journals, specialized conferences/year	5/review 5/board/year		
C4.4	Member of the professional association	10/ association		
TOTAL C4				

Supplementary Standards

Criterion	Minimum score– Additional Standards			
	<i>Professor</i>	<i>Assistant professor</i>	<i>Senior Lecturer</i>	<i>Assistant Lecturer</i>
C1	200	100	90	30
C2	200	100	60	20
C3	190	45	-	-
C4	10	5	-	-
TOTAL minimum score	600	250	150	50
Score PI.2	TOTAL/50	TOTAL /50	TOTAL /50	TOTAL /50

Minimum score

	Professor	Assistant professor	Senior Lecturer	Assistant Lecturer
CNATDCU (PI.1)	12	5	-	-
Supplementary Standards PHYSICS (PI.2)	12	5	3	1

Score of Test I

	Professor / Assistant professor	Senior Lecturer / Assistant Lecturer
Calculation formula	$\left(\frac{P_{I.1}}{P_{I.1 \max}} + \frac{P_{I.2}}{P_{I.2 \max}} \right) \cdot 5$	$\frac{P_{I.2}}{P_{I.2 \max}} \cdot 10$

* $P_{I.1 \max}$, $P_{I.2 \max}$ is the highest score obtained by the candidates calculated according to the CANTDCU standards, respectively supplementary standards

Score of Test I _____

REQUIREMENTS AND STANDARDS	ACCOMPLISHED/NOT ACCOMPLISHED
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II. EVALUATION OF THE TEACHING ACTIVITY

According to Art.16 of **Contest Methodology for Vacant Teaching and Research positions at the University of Oradea**, Candidates who meet the legal requirements for the competition and have received a favorable legal assessment will be invited by the UO to sit the competition tests. The date, time and place of the competition tests are announced on the UO website.

II.1 PRACTICAL TEST (for Assistant Lecturer)

TEACHING LECTURE (for Senior Lecturer, Assistant professor and Professor)

WRITTEN– PRACTICAL TEST (for Assistant Lecturer)

The competition contains a written test and a practical test. The topic of the practical test is established by the president of the competition commission, with the consultation of its members, and is announced at least 3 working days before the test on the competition web page, together with the day, time and place of the competition, thus inviting all candidates to support competition tests.

The tests will be scored separately. Mandatory minimum score 8(eight) for each test. The final score of test II.1 will be represented by the arithmetic mean of the score obtained in the written and the practical test.

TEACHING LECTURE (for Senior Lecturer, Assistant professor and Professor)

The competition test consist of by a teaching lecture. This test must also contain a question session from the commission. The topic of the teaching lecture is established by the president of the competition commission, with the consultation of its members, and is announced at least 3 working days before the test on the competition website, specifying the day, time and place of the competition, thus inviting all candidates to support competition tests.

The candidate **has/does not have** the knowledge and skills required for the position.

The score awarded also takes into account the candidate's proposed academic career development.

Points awarded : minimum (compulsory)- 8 points, maximum -10 points

Positions	Test	Mark	Score PII.1	has/does not have (YES/NO)
Assistant Lecturer	Written test			
	Practical test			
Senior Lecturer/ Assistant professor/ Professor	Teaching lecture			

II.2. LECTURE ON THE UNIVERSITY CAREER DEVELOPMENT PLAN

The commission evaluates the teaching and the research part in equal proportion

Points awarded: minimum (compulsory) - 8 points, maximum - 10 points

Score of test P.II.2. _____

The score of test P.II will be calculated as the arithmetic mean of the scores of PII.1. and PII.2

Score test II _____

FINAL SCORE (FS) _____ (obtained at test I and II)

$$FS = P_I + P_{II}$$

Following the evaluation of the candidate _____, registered in the contest for the position of _____, position nr. _____, Department _____, Faculty _____, by ranking the results of the candidates (if applicable), he/she occupies the position _____ and I propose that he/she should **fill / not fill** the position for which he/she applied.

Date _____
member _____

Commission

UNIVERSITY OF ORADEA

*Annex no. 3 to the Contest
Methodology for Vacant Teaching
and Research Positions
at the University of Oradea*

**CHECKLIST - VERIFICATION OF COMPLIANCE
with the minimal standards
for the filling of teaching and research positions**

Scientific field INFORMATICS

I. CANDIDATE DATA

SURNAME_____ NAME_____

PNC_____ Position _____ Disciplines _____

Position in the staffing plan _____ Department _____

Faculty_____

Present teaching position_____ Position in the staffing plan _____

Disciplines

Department _____

Faculty_____

University _____

II. DATA RELATED TO THE COMPLIANCE WITH THE CONTEST CONDITIONS

1. Bachelor's Degree and Master's Degree

No.	Higher Education Institution	Field	Period	Title

* the candidate must hold bachelor's and master's degrees in one of the following fields:
Informatics, Mathematics and Mathematics-Informatics

2. PhD Studies

No.	PhD Organizing Institution	Field	Period	Scientific title

*the candidate must have doctoral studies in Informatics or related fields (Mathematics, Engineering Sciences)

3. Studies and post-doctoral scholarships

No.	Organizing Institution	Field	Period	Obs.

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4. Teaching/professional degrees

No.	Institution	Field	Period	Title/teaching function/ professional degree

III. SPECIFIC DATA REGARDING THE COMPLIANCE WITH REQUIREMENTS AND STANDARDS

1. Assistant Lecturer

- a) the candidate must hold a doctoral degree/diploma or be enrolled in a doctoral program, without exceeding the maximum period of study, which includes extensions permitted by law;
- b) the publication of at least 1 work (article, study), in extenso, in specialized journals or in volumes of national or international scientific events;
- c) the average grade of the years of study in the undergraduate program must be at least 8.50;
- d) the candidate has published, as an author or co-author, at least one didactic work in the field of the position's disciplines in print or in electronic format posted on the UO's e-learning platform;

- the individual scores are completed in the minimal standards for the filling of teaching and research positions form.

<p align="center">ACCOMPLISHED / NOT ACCOMPLISHED</p>
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2. Senior Lecturer

- a) the candidate must hold a doctoral degree/diploma;
- b) the publication of at least 5 papers (articles, studies), in extenso, in specialized journals or in volumes of national or international scientific events, at least 2 papers should be in ISI rated journals;
- c) the production, at least in electronic format, of specialist teaching material, posted on the UO's e-learning platform (e.uoradea.ro), in the field of the disciplines included in the position, or the candidate is an author/co-author of a specialist book, in the field of the position's disciplines;
- d) is the single author of at least one didactic book in the field of the position's disciplines, in printed or electronic format, posted on the UO e-learning platform, or is the author / co-author of a scientific book in the field of of the position's disciplines;

- the individual scores are completed in the minimal standards for the filling of teaching

and research positions form.

ACCOMPLISHED / NOT ACCOMPLISHED

3. Associate Professor

- a) the candidate must hold a doctoral degree/diploma;
 - b) the candidate must comply with the national minimum standards for the position of associate professor, standards approved under Article 156 of the Law on Higher Education No 199/2023, as amended and supplemented
 - c) the candidate has published, as an author or co-author, at least one scientific book in the field of the position's disciplines, printed or in electronic format, posted on the UO's e-learning platform
- the individual scores are completed in the minimal standards for the filling of teaching and research positions form.**

ACCOMPLISHED / NOT ACCOMPLISHED

4. Professor

- a) the candidate must hold a doctoral degree/diploma;
 - b) the candidate must hold the habilitation certificate;
 - c) the candidate must meet the national minimum for the position of university professor, standards approved under Article 156 of the Law on Higher Education No 199/2023, as amended and supplemented
 - d) Other additional standards
- in the last 5 years, the candidate has published, as an author or co-author, at least one scientific book in the field of the position's disciplines in print or in electronic format posted on the UO's e-learning platform
- the individual scores are completed in the minimal standards for the filling of teaching and research positions form.**

ACCOMPLISHED / NOT ACCOMPLISHED

The minimal standards for the filling of teaching and research positions form

Bachelor's and Master's studies in one of the following fields: Informatics, Mathematics and Mathematics-Informatics. Doctorate in Informatics or related fields (Mathematics, Engineering Sciences).

I1. Specialized articles in the field of job disciplines in magazines of category A*¹
(according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P _{I1} =

I2. Specialized articles in the field of job disciplines in magazines of category A¹
(according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P _{I2} =

I3. Specialized articles in the field of job disciplines in magazines of category B¹
(according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P _{I3} =

I4. Specialized articles in the field of job disciplines in magazines of category C¹
(according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
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		TOTAL (by summation)	P ₁₄ =

I5. Specialized articles in the field of job disciplines in magazines of category D¹ (according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P ₁₅ =

I6. Specialized papers in the field of job disciplines published in volumes of conferences in category A*³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P ₁₆

I7. Specialized papers in the field of job disciplines published in volumes of conferences in category A³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P ₁₇ =

I8. Specialized papers in the field of job disciplines published in volumes of conferences in category B³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score

		TOTAL (by summation)	P ₁₈ =
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I9. . Specialized papers in the field of job disciplines published in volumes of conferences in category C³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P ₁₉ =

I10. Specialized papers in the field of job disciplines published in volumes of conferences in category D³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P ₁₁₀ =

ASSESSMENT OF PROFESSIONAL ACTIVITY

I11. Author edited books published in publishing houses of category (A)⁴ (according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score
				TOTAL (by summation)	P ₁₁₁ =

I12. Author edited books published in category (B)⁴ publishing houses or chapters published in category (A)⁴ publishing houses (according to the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score
				TOTAL (by summation)	P _{I 12} =

I13. Author edited books published in category (C)⁴ publishing houses or chapters published in category (B)⁴ publishing houses (according to the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score
				TOTAL (by summation)	P _{I 13} =

I14. Author edited books published in category (C)⁴ publishing houses or chapters published in category (B)⁴ publishing houses (according to the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score
				TOTAL (by summation)	P _{I 14} =

I15. Author/edited books published in publishing houses of category (D, E, unlisted)⁴ or chapters published in publishing houses of category (C)⁴ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score
				TOTAL (by summation)	P _{I 15} =

I16. Coordination of bachelor/master thesis (coordination in co-supervision for the senior lecturer)

No.	Title of the paper/ Specialization/ Academic year		Score
		Detailed calculation Total no. works/ Total no. university years	$P_{I16} =$

I17. Papers published with students as co-authors in specialized journals or presented in international or national specialized conferences

No.	Paper identification data (Authors, title, journal/conference, volume, pages, year)		Score
		Detailed calculation Total no. works/ Total no. university years	$P_{I17} =$

¹ Category journals A*, A, B, C, D are those considered in accordance with the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU

² The calculation will be made according to the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU

³ The category conferences A*, A, B, C, D are those considered in accordance with the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU

⁴ Author edited books and chapters published in category (A), (B), (C), (D), (E) or unlisted publishing houses are those considered in accordance with the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU

Table 2. Minimal standards

Parameter	Assistant Lecturer	Senior Lecturer	Associate Professor	Professor
$PS = \sum P_{I1} - P_{I10}$ (Scientific criterion)	2	16	32	56

$PA = \sum P_{I11} - P_{I15}$ (professional criterion)	4	8	12	20
$PST = \sum P_{I16} - P_{I17}$ (Mentoring students/young researchers)	0	1	2	3

I hereby confirm that the above-mentioned data are true and refer to my own professional and scientific work.

Date: _____

Candidate: _____

APPRAISAL REPORT
of the candidate for the position

Scientific field INFORMATICS

CANDIDATE DATA

SURNAME _____ NAME _____

PNC _____ Position _____ Disciplines _____

Position in the staffing plan _____ Department _____

Faculty _____

I. EVALUATION OF TEACHING AND SCIENTIFIC ACTIVITY

Minimum standards checksheet

I1. Specialized articles in the field of job disciplines in magazines of category A*¹
(according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P _{I1} =

I2. Specialized articles in the field of job disciplines in magazines of category A¹
(according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score

		TOTAL (by summation)	P ₁₂ =
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I3. Specialized articles in the field of job disciplines in magazines of category B¹
(according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P ₁₃ =

I4. Specialized articles in the field of job disciplines in magazines of category C¹
(according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P ₁₄ =

I5. Specialized articles in the field of job disciplines in magazines of category D¹
(according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P ₁₅ =

I6. Specialized papers in the field of job disciplines published in volumes of conferences in category A*³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P ₁₆

I7. Specialized papers in the field of job disciplines published in volumes of conferences in category A³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P _{I7=}

I8. Specialized papers in the field of job disciplines published in volumes of conferences in category B³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P _{I8=}

I9. . Specialized papers in the field of job disciplines published in volumes of conferences in category C³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P _{I9=}

I10. Specialized papers in the field of job disciplines published in volumes of conferences in category D³ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Paper details (Authors, title, journal, volume, pages, year)	Detailed calculation ²	Score
		TOTAL (by summation)	P _{I10=}

ASSESSMENT OF PROFESSIONAL ACTIVITY

I11. Author edited books published in publishing houses of category (A)⁴ (according to the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score
				TOTAL (by summation)	P _{I 11} =

I12. Author edited books published in category (B)⁴ publishing houses or chapters published in category (A)⁴ publishing houses (according to the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score
				TOTAL (by summation)	P _{I 12} =

I13. Author edited books published in category (C)⁴ publishing houses or chapters published in category (B)⁴ publishing houses (according to the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score
				TOTAL (by summation)	P _{I 13} =

I14. Author edited books published in category (C)⁴ publishing houses or chapters published in category (B)⁴ publishing houses (according to the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score

				TOTAL (by summation)	P _{I 14} =
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I15. Author/edited books published in publishing houses of category (D, E, unlisted)⁴ or chapters published in publishing houses of category (C)⁴ (according to the minimum standards necessary and mandatory for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU)

No.	Book data (Authors, year, title, pages)	Publishing House	ISBN	Detailed calculation ²	Score
				TOTAL (by summation)	P _{I 15} =

I16. Coordination of bachelor/master thesis (coordination in co-supervision for the senior lecturer)

No.	Title of the paper/ Specialization/ Academic year		Score
		Detailed calculation Total no. works/ Total no. university years	P _{I 16} =

I17. Papers published with students as co-authors in specialized journals or presented in international or national specialized conferences

No.	Paper identification data (Authors, title, journal/conference, volume, pages, year)		Score
		Detailed calculation Total no. works/ Total no. university years	P _{I 17} =

¹ Category journals A*, A, B, C, D are those considered in accordance with the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU

² The calculation will be made according to the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU

³ The category conferences A*, A, B, C, D are those considered in accordance with the minimum necessary and mandatory standards for conferring teaching titles in higher education and professional degrees of research and development of the Commission of Informatics within CNATDCU

⁴ Author edited books and chapters published in category (A), (B), (C), (D), (E) or unlisted publishing houses are those considered in accordance with the minimum necessary and mandatory standards for conferring higher education teaching titles and professional degrees of research and development of the Informatics Commission within CNATDCU

Table 2. Minimal standards

Parameter	Assistant Lecturer	Senior Lecturer	Associate Professor	Professor
$PS = \sum P_{I11} - P_{I10}$ (Scientific criterion)	2	16	32	56
$PA = \sum P_{I111} - P_{I115}$ (professional criterion)	4	8	12	20
$PST = \sum P_{I116} - P_{I117}$ (Mentoring students/young researchers)	0	1	2	3

<p align="center">REQUIREMENTS AND STANDARDS ACCOMPLISHED /</p>
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Score of test I

$$P1 = \frac{10}{3} \left(\frac{PS}{\max PS} + \frac{PA}{\max PA} + \frac{PST}{\max PST} \right)$$

Where PS , PA , respectively, PST , is the score obtained by the candidate for each parameter in test 1 and $\max PS$, $\max PA$, respectively, $\max PST$, is the highest score obtained for each parameter in test 1 of all candidate scores. For the case of a single candidate we have $PS = \max PS$, $PA = \max PA$, respectively, $PST = \max PST$.

II. WRITTEN - PRACTICAL TEST / TEACHING LECTURE AND THE LECTURE ON THE CANDIDATE'S ACADEMIC CAREER DEVELOPMENT PROPOSAL.

According to Art. 16 of the **Contest methodology for vacant teaching and research positions at the University of Oradea**, candidates who meet the legal conditions for submission to the contest and have received a favorable legal opinion will be invited by the UO to take the contest tests. On the website of the UO, the following are announced: the day, time and place of the competition tests.

WRITTEN - PRACTICAL TEST (for Assistant Lecturer position)

The contest contains a written test and a practical test. The topic of the practical test is established by the president of the contest committee, with the consultation of its members, and is announced at least 3 working days before the test on the contest web page, together with the day, time and place of the contest, thus inviting all candidates to participate at the contest tests. The tests will be scored separately. Mandatory minimum score 8(eight) for each test. The final score, PDid, will be represented by the arithmetic mean of the score obtained in the written and practical tests.

TEACHING LECTURE (for the positions of Professor, Associate Professor, Senior Lecturer)

The contest test is represented by a didactic lecture. This test must also contain a question session from the committee. The topic of the didactic lecture is established by the president of the contest committee, with the consultation of its members, and is announced at least 3 working days before the test on the contest website, together with the day, time and place of the contest, thus inviting all candidates to participate at the contest tests. *Points awarded: minimum (compulsory) - 8 points.*

The candidate **has/does not have** the knowledge and skills required for the position. The score awarded also takes into account the candidate's academic career development proposal.

Positions	Test	Score	Pdid Score	Has / Does not have the necessary knowledge (YES/NO)
Assistant Lecturer	Written test			
	Practical test			
Senior lecturer/ Associate Professor/ Professor	Teaching lecture			

EVALUATION OF THE CANDIDATE'S ACADEMIC CAREER DEVELOPMENT PROPOSAL.

Following the lecture based on the academic career development proposal, the committee will evaluate in equal proportions both the didactic and the scientific part. The score obtained can have a maximum value of 10 (ten).

Test for evaluation of the candidate's academic career development proposal	Score
From a didactic point of view (maximum 5)	
From a scientific point of view (maximum 5)	
Score (by summation)	PDezv. =

Score of test II

$$P2 = \frac{1}{2}(PDid + PDezv)$$

Where $PDid$, $PDezv$, are the scores obtained by the candidate for the written-practical test / teaching lecture test and the evaluation of career development proposal, respectively.

The final score, PF , obtained in tests I and II will be calculated according to the formula

$$PF = \frac{1}{2}(P1 + P2)$$

Where $P1$ and $P2$ are the scores obtained by the candidate in test I and in test II, respectively.

FINAL SCORE _____ **(obtained in tests I and II)**

Following the evaluation of the candidate _____, registered in the contest for the position of _____, position nr. _____, Department _____, Faculty _____, by ranking the results of the candidates (if applicable), he/she occupies the position _____ and I propose that he/she **should fill / not fill** the position for which he/she applied.

Date _____ **Commission member** _____

UNIVERSITY OF ORADEA

*Annex no. 3 to the Contest
Methodology for Vacant Teaching
and Research Positions
at the University of Oradea*

CHECKLIST - VERIFICATION OF COMPLIANCE

with the minimal standards

for the filling of teaching and research positions

Scientific field MATHEMATICS

I. CANDIDATE DATA

SURNAME _____ NAME _____

PNC _____ Position _____ Disciplines _____

Position in the staffing plan _____ Department _____

Faculty _____

Present teaching position _____ Position in the staffing plan _____

Disciplines _____

Department _____

Faculty _____

University _____

II. DATA RELATED TO THE COMPLIANCE WITH THE CONTEST CONDITIONS

1. Bachelor's Degree and Master's Degree

No.	Higher Education Institution	Field	Period	Title

* the candidate must hold bachelor's and master's degrees in the field of Mathematics

2. PhD Studies

No.	PhD Organizing Institution	Field	Period	Scientific title

* the candidate must hold PhD in the field of Mathematics

3. Studies and post-doctoral scholarships

No.	Organizing Institution	Field	Period	Obs.

4. Teaching/professional degrees

No.	Institution	Field	Period	Title/teaching function/ professional degree

III. SPECIFIC DATA REGARDING THE COMPLIANCE WITH REQUIREMENTS AND STANDARDS

1. Assistant Lecturer

- a) the candidate must hold a doctoral degree/diploma or be enrolled in a doctoral program, without exceeding the maximum period of study, which includes extensions permitted by law;
- b) the publication of at least 1 work (article, study), in extenso, in specialized journals or in volumes of national or international scientific events;
- c) Other additional standards
 - the average grade of the years of study in the undergraduate program must be at least 8.50;
 - the candidate has published, as an author or co-author, at least one didactic work in the field of the position's disciplines in print or in electronic format posted on the UO's e-learning platform;

- the individual scores are completed in the minimal standards for the filling of teaching and research positions form.

ACCOMPLISHED / NOT ACCOMPLISHED
--

2. Senior Lecturer

- a) the candidate must hold a doctoral degree/diploma;
- b) the publication of at least 5 papers (articles, studies), in extenso, in specialized journals or in volumes of national or international scientific events;
- c) the production, at least in electronic format, of specialist teaching material, posted on the UO's e-learning platform (e.uoradea.ro), in the field of the disciplines included in the position, or the candidate is an author/co-author of a specialist book, in the field of the position's disciplines;
- d) Other additional standards
 - at least 2 papers from b) should be in ISI rated journals

- the individual scores are completed in the minimal standards for the filling of teaching and research positions form.

ACCOMPLISHED / NOT ACCOMPLISHED
--

3. Associate Professor

- a) the candidate must hold a doctoral degree/diploma;
- b) the candidate must comply with the national minimum standards for the position of associate professor, standards approved under Article 156 of the Law on Higher Education No 199/2023, as amended and supplemented
- c) Other additional standards
 - the candidate has published, as an author or co-author, at least one scientific book in the field of the position's disciplines, printed or in electronic format, posted on the UO's e-learning platform

- the individual scores are completed in the minimal standards for the filling of teaching and research positions form.

ACCOMPLISHED / NOT ACCOMPLISHED
--

4. Professor

- a) the candidate must hold a doctoral degree/diploma;
- b) the candidate must hold the habilitation certificate;
- c) the candidate must meet the national minimum for the position of university professor, standards approved under Article 156 of the Law on Higher Education No 199/2023, as amended and supplemented;
- d) Other additional standards
 - in the last 7 years, the candidate has published, as an author or co-author, at least one scientific book in the field of the position's disciplines in print or in electronic format posted on the UO's e-learning platform
 - **the individual scores are completed in the minimal standards for the filling of teaching and research positions form.**

ACCOMPLISHED / NOT ACCOMPLISHED
--

**The minimal standards for the filling of teaching and research positions form
Bachelor's and Master's studies in the field of Mathematics. Doctorate in Mathematics.**

**I1. Specialized articles in the field of the position's disciplines published in ISI¹ rated journals
having $SRI^2 \geq 0,5$**

No.	Paper details (Authors, title, journal, volume, pages, year)	SRI	Detailed calculation ($1/n^{\&}$) * SRI	Score
			Partial total (for articles from the last 7 years, by summation)	P_{rec}=
			TOTAL (by summation)	P_{I 1}=

**I2. Specialized articles in the field of the position's disciplines published in ISI¹ rated journals
having $SRI^2 < 0,5$**

No.	Paper details (Authors, title, journal, volume, pages, year)	SRI	Detailed calculation ($0,75/n$) * SRI	Score
			TOTAL (by summation)	P_{I 2}=

I3. Specialized articles in the field of the position's disciplines published in BDI³ indexed journals

No.	Paper details (Authors, title, journal, volume, pages, year)	Identification data in BDI	Detailed calculation $0,3/n$	Score
			TOTAL (by summation)	P_{I 3}=

I4. Specialized articles in the field of the position's disciplines published in in volumes of international conferences

No.	Paper details (Authors, title, journal, volume, pages, year)	Conference identification data (name, location, period, web address)	Detailed calculation $0,2/n$	Score
			TOTAL (by summation)	P_{I 4}=

I5. Specialized articles in the field of the position's disciplines published in in volumes of national conferences

No.	Paper details (Authors, title, journal, volume, pages, year)	Conference identification data	Detailed calculation	Score
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		(name, location, period, web address)	0,1/n	
			TOTAL (by summation)	P₁₅=

I6. Specialized scientific books in the field of the position's disciplines published by international publishing houses

No.	Book details (Authors, year title, pages)	Country	Publishing House	ISBN	Detailed calculation no.pages/(50*n)	Score
					TOTAL (by summation)	P₁₆=

I7. Specialized scientific books in the field of the position's disciplines published by CNCSIS⁴ recognized publishing houses

No.	Book details (Authors, year title, pages)	Publishing House	ISBN	Detailed calculation no.pages /(75*n)	Score
				TOTAL (by summation)	P₁₇=

I8. Specialized scientific books in the field of the position's disciplines published by other publishing houses

No.	Book details (Authors, year title, pages)	Publishing House	ISBN	Detailed calculation no.pages /(100*n)	Score
				TOTAL (by summation)	P₁₈=

I9. Specialized didactic books in the field of the position's disciplines

No.	Book details (Authors, year title, pages)	Publishing House	ISBN	Detailed calculation no.pages /(100*n)	Score
				TOTAL (by summation)	P₁₉=

I10. Citations in articles published in ISI rated scientific journals with SRI $\geq 0,5$ (self-citations are excluded)

No.	Cited article (Authors, title, journal, volume, pages, year)	The journal and article in which it was cited	Score
		TOTAL CITATIONS	P₁₁₀=

I11. Citations in articles published in ISI rated scientific journals with SRI < 0,5 (self-citations are excluded)

No.	Cited article (Authors, title, journal, volume, pages, year)	The journal and article in which it was cited	Score
		TOTAL CITATIONS	P_{I 11}=

I12. Citations in articles published in BDI³ indexed journals (self-citations are excluded)

No.	Cited article (Authors, title, journal, volume, pages, year)	The journal and article in which it was cited	Score
		TOTAL CITATIONS	P_{I 12}=

I13. Coordination of bachelor/master thesis (coordination in co-supervision for the senior lecturer)

No.	Title of the paper/ Specialization/ Academic year		Score
		Detailed calculation Total no. works/ Total no. university years	P_{I 13}=

I14. Papers published with students as co-authors in specialized journals or presented in international or national specialized conferences

No.	Paper identification data (Authors, title, journal/conference, volume, pages, year)		Score
		Detailed calculation Total no. works/ Total no. university years	P_{I 14}=

¹ the ISI journals are those found on the ISI Thomson lists available at the time of filing

² the SRI factor (Relative Influence Score), is calculated in accordance with the minimum necessary and mandatory standards for the awarding of didactic titles in higher education and professional research-development degrees proposed by the Mathematics commission within CNATDCU

³ BDI (international databases) are considered internationally recognized scientific databases, such as: Scopus (Elsevier), Web of Science, SpringerLink, Google Scholar.

⁴ The list of publishing houses recognized by CNCSIS can be found on the website <https://uefiscdi.gov.ro>

& n represents the number of authors

Table 2. Minimum standards

Parameter	Assistant Lecturer	Senior Lecturer	Associate Professor	Professor
Scientific performance				
P_{rec}	-	0,5	1,5	2,5
P_{I1}	-	1	2,5	5
$PS = \sum P_{I1} - P_{I5}$	1	2	4,5	8
Academic performance				
$PA = \sum P_{I6} - P_{I9}$	1	1	2	2
Scientific recognition				
P_{I10}	0	3	6	12
$PR = \sum P_{I10} - P_{I12}$	0	4	8	16
Mentoring students/young researchers				
$PST = \sum P_{I13} - P_{I14}$	0	0,25	1	1

I hereby confirm that the above-mentioned data are true and refer to my own professional and scientific work.

Date: _____

Candidate: _____

APPRAISAL REPORT
of the candidate for the position

Scientific field MATHEMATICS

CANDIDATE DATA

SURNAME _____ NAME _____

PNC _____ Position _____ Disciplines _____

Position in the staffing plan _____ Department _____

Faculty _____

I. EVALUATION OF TEACHING AND SCIENTIFIC ACTIVITY

**The minimal standards for the filling of teaching and research positions form
Bachelor's and Master's studies in the field of Mathematics. Doctorate in Mathematics.**

**I1. Specialized articles in the field of the position's disciplines published in ISI¹ rated journals
having $SRI^2 \geq 0,5$**

No.	Paper details (Authors, title, journal, volume, pages, year)	SRI	Detailed calculation ($1/n^{\&}$) * SRI	Score
			Partial total (for articles from the last 7 years, by summation)	P_{rec}=
			TOTAL (by summation)	P_{I1}=

**I2. Specialized articles in the field of the position's disciplines published in ISI¹ rated journals
having $SRI^2 < 0,5$**

No.	Paper details (Authors, title, journal, volume, pages, year)	SRI	Detailed calculation ($0,75/n$) * SRI	Score
			TOTAL (by summation)	P_{I2}=

I3. Specialized articles in the field of the position's disciplines published in BDI³ indexed journals

No.	Paper details (Authors, title, journal, volume, pages, year)	Identification data in BDI	Detailed calculation 0,3/n	Score
			TOTAL (by summation)	P₁₃=

I4. Specialized articles in the field of the position's disciplines published in volumes of international conferences

No.	Paper details (Authors, title, journal, volume, pages, year)	Conference identification data (name, location, period, web address)	Detailed calculation 0,2/n	Score
			TOTAL (by summation)	P₁₄=

I5. Specialized articles in the field of the position's disciplines published in volumes of national conferences

No.	Paper details (Authors, title, journal, volume, pages, year)	Conference identification data (name, location, period, web address)	Detailed calculation 0,1/n	Score
			TOTAL (by summation)	P₁₅=

I6. Specialized scientific books in the field of the position's disciplines published by international publishing houses

No.	Book details (Authors, year title, pages)	Country	Publishing House	ISBN	Detailed calculation no.pages/(50*n)	Score
					TOTAL (by summation)	P₁₆=

I7. Specialized scientific books in the field of the position's disciplines published by CNCSIS⁴ recognized publishing houses

No.	Book details (Authors, year title, pages)	Publishing House	ISBN	Detailed calculation no.pages/(75*n)	Score
				TOTAL (by summation)	P₁₇=

I8. Specialized scientific books in the field of the position's disciplines published by other publishing houses

No.	Book details (Authors, year title, pages)	Publishing House	ISBN	Detailed calculation no.pages /(100*n)	Score
				TOTAL (by summation)	P_{I 8}=

I9. Specialized didactic books in the field of the position's disciplines

No.	Book details (Authors, year title, pages)	Publishing House	ISBN	Detailed calculation no.pages /(100*n)	Score
				TOTAL (by summation)	P_{I 9}=

I10. Citations in articles published in ISI rated scientific journals with SRI ≥ 0.5

(self-citations are excluded)

No.	Cited article (Authors, title, journal, volume, pages, year)	The journal and article in which it was cited	Score
		TOTAL CITATIONS	P_{I 10}=

I11. Citations in articles published in ISI rated scientific journals with SRI < 0.5

(self-citations are excluded)

No.	Cited article (Authors, title, journal, volume, pages, year)	The journal and article in which it was cited	Score
		TOTAL CITATIONS	P_{I 11}=

I12. Citations in articles published in BDI³ indexed journals (self-citations are excluded)

No.	Cited article (Authors, title, journal, volume, pages, year)	The journal and article in which it was cited	Score
		TOTAL CITATIONS	P_{I 12}=

I13. Coordination of bachelor/master thesis (coordination in co-supervision for the Senior Lecturer)

No.	Title of the paper/ Specialization/ Academic year		Score

		Detailed calculation Total no. works/ Total no. university years	P_{I 13}=
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I14. Papers published with students as co-authors in specialized journals or presented in international or national specialized conferences

No.	Paper identification data (Authors, title, journal/conference, volume, pages, year)		Score
		Detailed calculation Total no. works/ Total no. university years	P_{I 14}=

¹ the ISI journals are those found on the ISI Thomson lists available at the time of filing

² the SRI factor (Relative Influence Score), is calculated in accordance with the minimum necessary and mandatory standards for the awarding of didactic titles in higher education and professional research-development degrees proposed by the Mathematics commission within CNATDCU

³ BDI (international databases) are considered internationally recognized scientific databases, such as: Scopus (Elsevier), Web of Science, SpringerLink, Google Scholar.

⁴ The list of publishing houses recognized by CNCSIS can be found on the website <https://uefiscdi.gov.ro>

& n represents the number of authors

Table 2. Minimum standards

Parameter	Assistant Lecturer	Senior Lecturer	Associate Professor	Professor
Scientific performance				
P_{rec}	-	0,5	1,5	2,5
P_{I 1}	-	1	2,5	5
PS=∑ P_{I 1}-P_{I-5}	1	2	4,5	8
Academic performance				
PA=∑ P_{I 6}-P_{I-9}	1	1	2	2
Scientific recognition				
P_{I 10}	0	3	6	12
PR=∑ P_{I 10}-P_{I 12}	0	4	8	16
Mentoring students/young researchers				
PST=∑ P_{I 13}-P_{I 14}	0	0,25	1	1

**REQUIREMENTS AND
STANDARDS
ACCOMPLISHED /
NOT ACCOMPLISHED**

Score of test I

$$P1 = \frac{10}{4} \left(\frac{PS}{\max PS} + \frac{PA}{\max PA} + \frac{PR}{\max PR} + \frac{PST}{\max PST} \right)$$

Where PS , PA , PR , respectively, PST , is the score obtained by the candidate for each parameter in test 1 and $\max PS$, $\max PA$, $\max PR$, respectively, $\max PST$, is the highest score obtained for each parameter in test 1 of all candidate scores. For the case of a single candidate we have $PS = \max PS$, $PA = \max PA$, $PR = \max PR$, respectively, $PST = \max PST$.

II. WRITTEN - PRACTICAL TEST / TEACHING LECTURE AND THE LECTURE ON THE CANDIDATE'S ACADEMIC CAREER DEVELOPMENT PROPOSAL.

According to Art. 16 of the **Contest methodology for vacant teaching and research positions at the University of Oradea**, candidates who meet the legal conditions for submission to the contest and have received a favorable legal opinion will be invited by the UO to take the contest tests. On the website of the UO, the following are announced: the day, time and place of the competition tests.

WRITTEN - PRACTICAL TEST (for Assistant Lecturer position)

The contest contains a written test and a practical test. The topic of the practical test is established by the president of the contest committee, with the consultation of its members, and is announced at least 3 working days before the test on the contest web page, together with the day, time and place of the contest, thus inviting all candidates to participate at the contest tests.

The tests will be scored separately. Mandatory minimum score 8(eight) for each test. The final score, P_{did} , will be represented by the arithmetic mean of the score obtained in the written and practical tests.

TEACHING LECTURE (for the positions of Professor, Associate Professor, Senior Lecturer)

The contest test is represented by a didactic lecture. This test must also contain a question session from the committee. The topic of the didactic lecture is established by the president of the contest committee, with the consultation of its members, and is announced at least 3 working days before the test on the contest website, together with the day, time and place of the contest, thus inviting all candidates to participate at the contest tests. *Points awarded: minimum (compulsory) - 8 points, maximum - 10 points.*

The candidate **has/does not have** the knowledge and skills required for the position. The score awarded also takes into account the candidate's academic career development proposal.

Positions	Test	Score	Pdid Score	Has / Does not have the necessary knowledge (YES/NO)
Assistant Lecturer	Written test			
	Practical test			

Senior lecturer/ Associate Professor/ Professor	Teaching lecture			
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EVALUATION OF THE CANDIDATE'S ACADEMIC CAREER DEVELOPMENT PROPOSAL.

Following the lecture based on the academic career development proposal, the committee will evaluate in equal proportions both the didactic and the scientific part. The score obtained can have a maximum value of 10 (ten).

Test for evaluation of the candidate's academic career development proposal	Score
From a didactic point of view (maximum 5)	
From a scientific point of view (maximum 5)	
Score (by summation)	PDezv. =

Score of test II

$$P2 = \frac{1}{2}(PDid + PDezv)$$

Where $PDid$, $PDezv$, are the scores obtained by the candidate for the written-practical test / teaching lecture test and the evaluation of career development proposal, respectively.

The final score, PF , obtained in tests I and II will be calculated according to the formula

$$PF = \frac{1}{2}(P1 + P2)$$

Where $P1$ and $P2$ are the scores obtained by the candidate in test I and in test II, respectively.

FINAL SCORE _____ (obtained in tests I and II)

Following the evaluation of the candidate _____, registered in the contest for the position of _____, position nr. _____, Department _____, Faculty _____, by ranking the results of the candidates (if applicable), he/she occupies the position _____ and I propose that he/she **should fill / not fill** the position for which he/she applied.

Date _____ **Commission member** _____