



Faculty of Science Pavol Jozef Šafárik University in Košice

Specific Conditions for Filling the Functional Positions of Professors in the Fields of Biology, Chemistry, Physics, Mathematics, Computer Science, Earth Sciences, Teacher Training and Education Science at the Faculty of Science, Pavol Jozef Šafárik University in Košice

Article I Qualification requirements

1. The applicant must be scientifically and pedagogically active in the respective field or in the related field of habilitation and inauguration proceedings.
2. The applicant must demonstrate the fulfilment of the criteria for awarding the scientific-pedagogical title of professor as specified in the standards of the habilitation and inauguration proceedings. If Pavol Jozef Šafárik University in Košice has been granted the rights to conduct inauguration proceedings in the field of the habilitation and inauguration proceedings corresponding to the defined field of science and education, the applicant must demonstrate the fulfilment of the criteria valid at the university for the given field. If Pavol Jozef Šafárik University in Košice has not been granted the rights to conduct inauguration proceedings in the field of the habilitation and inauguration proceedings corresponding to the defined field of science and education, the applicant must demonstrate the fulfilment of the criteria for awarding the scientific-pedagogical title valid at another higher education institution in the Slovak Republic that has been granted such right. If Pavol Jozef Šafárik University in Košice has been granted the rights to conduct inauguration proceedings in a field of the habilitation and inauguration proceedings that is defined more broadly than the field of science and education for which the functional position of professor is being filled, the applicant must meet the university's criteria applicable to that broader field of the habilitation and inauguration proceedings.
3. The applicant must meet also other requirements arising from Act No.131/2002 Coll. on Higher Education Institutions and on amendments of and supplements to certain acts, as amended, the General criteria for Filling the Functional Positions of Professors and Associate Professors at the Faculty of Science, Pavol Jozef Šafárik University in Košice, as well as these Specific Conditions for Filling the Functional Positions of Professors in the field corresponding to the defined field of education and the defined field of science. In the event that the Ministry of Education, Science, Research and Sport of the Slovak Republic issues the Minimum Criteria of Pedagogical, Research, Development or Artistic Activity, the applicant must meet also these criteria.
4. Meeting the criteria for filling the functional position of professor does not constitute a legal entitlement to be awarded the functional position.

Article II Pedagogical activity

1. The minimum condition for filling the functional position of professor is the **performance of pedagogical activity** for at least three years from obtaining the title of associate professor in **the study programmes of the field of study to which the field of habilitation and inauguration proceedings is assigned**. Only the period during which the applicant has

been employed by a higher education institution is taken into account as the performance of pedagogical activity, namely at least for a shorter working time in the extent of at least one half of the stipulated weekly working time (including abroad) or has performed pedagogical activity in the extent that corresponds to 50 % of the direct teaching standard of an associate professor.

2. Demonstration that the applicant has performed pedagogical activity to the required extent and structure through some of the following **activities and outputs**: in particular, **has led lectures (including lectures of the compulsory course), exercises, seminars, evaluated students, including at state examinations, supervised and opposed final theses at the second and third level of higher education, participated in designing the study materials, in the development of the quality of study programmes, led gifted students of secondary schools and universities in subject clubs or competitions (e.g. subject Olympiads, high-school professional activities, student scientific professional activities), led a team in educational development projects.**
3. Demonstration that the applicant has participated in the development of education or a study programme through the **outputs of pedagogical activity in the form of the creation of study materials (university textbook or chapter in a university textbook, teaching material - lecture materials or textual aid, educational film, e-learning course containing the content, distribution and management component of instruction in the relevant field of study, introduction of new units into the study programme, teaching software, and teaching aids).**
4. Demonstration of some **other relevant activities related to education**, e.g. by membership of professional committees, bodies and councils focused on higher education, lecture stays abroad of the total of at least 20 days (e.g. ERASMUS mobility – teaching), organization or professional guarantee of educational activities (workshop, exhibition, field trip, etc.), demonstrating the development of language, pedagogical or digital skills and competences, creating teaching case studies, awards for pedagogical activity, involvement in lifelong learning, conducting accredited courses, consulting attestation theses, etc.).
5. **The minimum threshold values of measurable indicators** by individual fields of habilitation proceedings and inauguration proceedings are stated in **Annex 1** hereto.

Article III Creative activity

1. The following criteria are required to be fulfilled regarding creative activity:
 - a) **experience and results regarding creative activity**, in particular: leading research teams, organizing scientific events, solving research tasks, implementing technical projects, patents and certificates of authorship, inventions and technical works, performing research, development, or other creative activities in the workplace and publishing the results in the form of scientific works or other outputs of creative activity **in the number, structure, scope, intensity, degree of authorial contribution, and quality corresponding to international standards** and particularities in the relevant field of habilitation and inauguration proceedings;
 - b) **influence on the development of the relevant field of habilitation and inauguration proceedings by creating a scientific school** or an original, generally recognized group that builds on the outputs of their creative activity, at least by training and supervising doctoral students in the field of study to which the field of habilitation and inauguration proceedings is assigned;
 - c) **demonstration that the applicant is recognized as a scientific authority in professional circles or an artistic authority in artistic circles in the relevant field of**

habilitation and inauguration proceedings, their scientific works have also achieved international recognition, for example by completing **lecture stays abroad**, but especially by demonstrating **responses to published scientific works** or other outputs of creative activity in **the number, structure and other attributes corresponding to international standards** and particularities in the relevant field of habilitation and inauguration proceedings (responses also from abroad are required, self-citations are excluded).

2. **The minimum threshold values of measurable indicators** by individual fields of habilitation and inauguration proceedings are set out in **Annex 1**. Published scientific works or other outputs of creative activity and responses to published scientific works or other outputs of creative activity are documented by an extract from the UPJŠ University Library certified by a responsible employee thereof. In the case of higher education institutions that are contributors to the Central Register of Publication Activities, it is the output from the relevant academic library verified by the Vice-Dean whose competence is the scientific and research activities of the faculty, or by the Dean of the relevant faculty of the university. In the case of other applicants whose publication activities and responses are processed on the basis of a bibliographic registration contract, it is an extract from the UPJŠ University Library certified by a responsible employee thereof.

Article IV Additional requirements

1. The applicant submits for the selection procedure a professional curriculum vitae, officially certified copies of documents proving the attained level of education, documents confirming the award of scientific-pedagogical and academic titles, documents proving active participation in conferences, research stays/internships, and documents proving fulfilment of the criteria for filling the functional position of professor under Annex 1: An overview of fulfilment of the criteria for filling the functional position of professor. The applicant also indicates the fulfilment of individual criteria for the past five years.
2. The applicant is required to provide evidence of meeting the criteria by submitting, depending on the type of criterion, confirmation of the period of educational activity, a list of publications and responses thereto in a structure that allows verification of fulfilment of individual criteria, confirmation of participation in research and other projects.

Article V Final provisions

1. These criteria were approved by the Scientific Board of UPJŠ in Košice on 17 March 2023 on the proposal of the Scientific Board of the Faculty of Science of UPJŠ in Košice which discussed them on 8 February 2023.
2. These criteria become valid and effective on the day of their approval by the Scientific Board of UPJŠ.
3. Upon entry into effect of these criteria, the Specific Conditions for Filling the Functions of Professors in the Fields of Biology, Ecological and Environmental Sciences, Chemistry, Physics, Mathematics, Computer Science, Earth Sciences, Teaching Training and Education Science at the Faculty of Science of Pavol Jozef Šafárik University in Košice approved by the Scientific Board of UPJŠ on 1 October 2021 cease to be valid and effective.
4. Filling the functional position of professor at the Faculty of Science of UPJŠ commenced before the effective date of these criteria is assessed in accordance with the Criteria for

Filling the Functional Position of Professor at the Faculty of Science of Pavol Jozef Šafárik University in Košice effective at the time of commencement of such procedure.

doc. RNDr. Roman Soták, PhD.
Dean of the Faculty of Science
Pavol Jozef Šafárik University in Košice

Annex 1: Overview of fulfilment of the criteria for filling the functional position of professor

<i>Field of study</i>	Biology	Physics	Chemistry	Earth Sciences	Computer Science	Mathematics	Teacher Training and Education Science	Fulfilled by applicant/ out of which over the past 5 years
Field of habilitation and inauguration proceedings		Physics Physics Teaching Theory Standard: Physics – Physics Teaching Theory FMFI UK		Geography	Informatics Methodology of Informatics Teaching Standard: Informatics – Informatics Teaching Theory FMFI UK	Mathematics Mathematics Teaching Theory	Biology Teaching Theory; Chemistry Teaching Theory; Geography Teaching Theory; Standard: Field Methodology of Teaching PriF UK	
1. Pedagogical activity								
a) Minimum number of years of pedagogical activity since the award of the associate professor degree in the field of study or in a related field	3	3	3	3	3	3	3	
b) Minimum number of semester hours * of direct teaching (lectures and exercises)	60	60	60	60	60	60	60	
c) Total number of other pedagogical activities (e.g. supervision of successfully completed diploma theses, leading of gifted students, participation in education-related projects, etc.)	10	10	10	12	10	10	12	
d) Number of successfully completed doctoral students/completed and	(2 +1**)/1	(2 +1**)/1	2/1	2/1	2/1	(1 +1**)/1	(1 +1**)/1	

supervised doctoral students, supervisor specialist over the past 5 years											
e) Number of opposed dissertation theses	2	2		2	2	2		-	-		
f) Total number of outputs of pedagogical activity	2 peer-reviewed study materials, each of min. 3 AHs or 1 peer-reviewed study material $\leq$ 3 AHs as the first author	2 peer-reviewed study materials, each of min. 3 AHs or 2 - reviewed study materials $\leq$ 3 AHs as the first author		2 peer-reviewed study materials, each of min. 3 AHs or 2 peer-reviewed study materials $\leq$ 3 AHs as the first author	2 peer-reviewed study materials, each of min. 3 AHs	2 peer-reviewed study materials, each of min. 3 AHs		2 peer-reviewed study materials, each covering at least one semester course	2 peer-reviewed study materials, each covering at least one semester course, including peer-reviewed study material for teaching mathematics at primary or secondary schools, or education of primary and secondary school teachers		
2. Creative activity											
a) Total number of outputs of creative activity/ over the past 5 years	40/6 (WoS, Scopus)	50/7 (WoS)		50/6 (WoS, Scopus)	24/4 (WoS, Scopus)	10/2 (WoS, Scopus)		25/3 (WoS, Scopus)	40/5 (WoS, Scopus, ERIH or in international databases focused on TVM or published in internationally recognized magazines and proceedings in the area of teaching mathematics, informatics, natural sciences, teaching training and psychology or published in proceedings of significant world-wide congresses and international conferences)		
b) Degree of authorial contribution	15 scientific papers as the first or corresponding author	10 scientific publications in the WoS database as the first author		15 scientific papers as the first or corresponding author	6 scientific publications in magazines registered in	400 % sum of authorial contributions from these papers		7 scientific papers with at least half the share of	7 publications as the first or corresponding author, or with at least 50% of the		

		or corresponding author or author with at least 50% of the share of authorship. In the event of large collaborations: a contribution to the experiment validated by the principal investigator (collaborator)			the WoS or Scopus database as the first or corresponding author, of which 2 scientific papers classified in the Q1 or Q2 category according to the WoS database			authorship or a total share of authorship of at least 7	share of authorship		
c) Qualitative indicator of outputs of creative activity /over the past 5 years	20/3 publications of Q1 or Q2 according to the SJR database	40/6 publications of Q1 or Q2 according to the SJR database or h-index ≥ 14		20/3 publications of Q1 or Q2 according to the WoS database or h-index ≥ 14	8/1 publications of Q1 or Q2 according to the WoS database	6/1 scientific papers classified in the Q1 or Q2 category according to the SJR database or h-index ≥ 6		10/2 scientific papers classified in the Q1 or Q2 category according to the JCR or SJR database or h-index ≥ 6	8/1 publications registered in the WoS, Scopus, ERIH databases or in international databases focused on TVM		
d) Responses registered in the WoS, Scopus databases/over the past 5 years	200/40 (WoS, Scopus)	300/60 (WoS, Scopus)		200/40 (WoS, Scopus)	100/20 (WoS) a h- index ≥ 6	35/7 (WoS, Scopus)		50/10 (WoS, Scopus)	-		
e) Responses in foreign publications (also outside the WoS, Scopus databases)/over the past 5 years	-	-		-	-	-		-	20/4		

* One semester hour means one hour per week in one semester.

** Supervisor of doctoral students who have successfully defended their dissertation + another doctoral student after a successful dissertation examination

The fulfilment of criteria 1d, 2d, and 2e over the past five years is of a recommendatory nature, and the assessment of these criteria is left to the discretion of the selection committee.