



## RULES AND PROCEDURES FOR THE VERIFICATION OF LEARNING OUTCOMES AT THE 8TH LEVEL OF THE POLISH QUALIFICATION FRAMEWORK (PQF) FOR CANDIDATES SEEKING TO BE AWARDED THE ACADEMIC DEGREE OF DOCTOR IN THE EXTERNAL MODE

### § 1.

The verification of learning outcomes for qualifications at the 8th level of PQF for persons seeking to be awarded the academic degree of doctor in the external mode, hereinafter referred to as the "verification", shall be conducted with regard to the learning outcomes specified in the following table:

Reference to universal characteristics of the 8th level of PQF*	Reference to second-degree characteristics of the 8th level of PQF **	Manner of verification
<b>KNOWLEDGE</b>		
P8U_W knows and understands international scientific and creative output and resulting practical implications	P8S_WG knows and understands to an extent necessary to revise existing paradigms – the international output comprising theoretical foundations as well as general and selected detailed issues in a particular scientific or artistic discipline	preparing and submitting a doctoral dissertation
	P8S_WG knows and understands the major development trends of scientific or artistic disciplines in which education takes place	
P8U_W knows and understands the international scientific and creative output and resulting practical implications	P8S_WG knows and understands the methodology of scientific research	publishing an article or a monograph in a journal or with a scientific publisher
	P8S_WG knows and understands the rules on the dissemination of the results of research activity, including as open access	1) publishing an article or a monograph in a journal or with a scientific publisher, or 2) participating in a lecture at a doctoral school whose content covers the description of the learning outcome
	P8S_WK knows and understands the fundamental dilemmas of modern civilisation	participating in a selected general-academic lecture or classes conducted in another form and whose content covers the description of the learning outcome
	P8S_WK knows and understands the significant circumstances of research activity whether economic, legal, ethical or other	participating in a lecture at a doctoral school whose content covers the description of the learning outcome
	P8S_WK knows and understands the basic rules for the transfer of	1) completing studies, workshops, courses or training sessions whose

	knowledge to the economic and social domain and the commercialisation of the results of research activity and related know-how	content covers the description of the learning outcome, or 2) participating in a lecture at a doctoral school on the subject of commercialisation
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**SKILLS**

<p>P8U_U is able to: carry out an analysis and creative synthesis of scientific and artistic output in order to identify and solve research problems and problems related to innovative and creative activity; independently create new elements of this output, plan personal development and inspire the development of others; participate in the exchange of experiences and ideas, also in an international setting</p>	<p>P8S_UW is able to use the knowledge from different domains of science to creatively identify, formulate and solve complex problems in an innovative manner or to carry out research-related tasks, and in particular: to define the objective and focus of scientific research, to formulate a research hypothesis, to develop research methods, techniques and tools and to use them creatively, and to draw conclusions on the basis of the results of scientific research</p>	<p>authorship or co-authorship of an article or a monograph published in a journal or with a scientific publisher</p>
	<p>P8S_UW is able to transfer the results of research activity to the economic and social domain</p>	<ol style="list-style-type: none"> <li>1) implementing the results of scientific research, or</li> <li>2) actively participating in a seminar, workshop, symposium or scientific or trade conference, or</li> <li>3) authorship or co-authorship of an article or a monograph published in a journal or with a scientific publisher, or</li> <li>4) preparing an expert opinion</li> </ol>
	<p>P8S_UW is able to carry out a critical analysis and assessment of the results of scientific research, expert activity and other creative work and its contribution to the development of knowledge</p>	<p>actively participating in a seminar, workshop, symposium or scientific conference</p>
	<p>P8S_UK is able to communicate with regard to specialist subjects to an extent which allows active participation in an international scientific community</p>	
	<p>P8S_UK is able to initiate debate</p>	
	<p>P8S_UK is able to participate in academic discourse</p>	
	<p>P8S_UK is able to disseminate the results of research activity, also in popular forms</p>	<ol style="list-style-type: none"> <li>1) actively participating in a seminar, workshop, symposium or scientific conference, or</li> <li>2) conducting a popular science lecture, or</li> <li>3) authorship or co-authorship of a published article or a popular science book</li> </ol>
	<p>P8S_UK is able to use a foreign language at the B2 level of the Common European Framework of Reference for Languages to an extent which allows participation in an international scientific and professional environment</p>	<ol style="list-style-type: none"> <li>1) a language certificate at a minimum B2 level, or</li> <li>2) a diploma of higher education certifying knowledge of a foreign (modern) language at the B2 level, or</li> <li>3) a passed examination at the UG Foreign Languages Centre, specifying the level of knowledge of a foreign (modern) language at a minimum B2 level</li> </ol>

	P8S_UO is able to plan and implement individual and joint research or creative undertakings, also in an international setting	<ol style="list-style-type: none"> <li>1) participating in or heading a research project, or</li> <li>2) organising or co-organising a scientific conference, or</li> <li>3) completing a course or a training session (in particular in project management), or</li> <li>4) participating in a lecture at a doctoral school on the subject of commercialisation</li> </ol>
	P8S_UO is able to independently plan and work towards personal development and inspire and organise the development of others	preparing and submitting a doctoral dissertation
	P8S_UO is able to plan classes or sets of classes and implement them with the use of modern methods and tools	conducting or co-conducting classes with students to the total of at least 30 teaching hours
<b>SOCIAL COMPETENCES</b>		
P8U_K is ready to conduct independent research to expand existing scientific and artistic achievement, to take up challenges in the professional and public domain while taking account of their ethical dimension and the responsibility for their consequences, and to determine patterns of appropriate conduct in such situations	P8S_KK is ready to conduct critical assessment of achievements within a particular scientific or artistic discipline	authorship or co-authorship of an article or a monograph published in a journal or with a scientific publisher
	P8S_KR is ready to uphold and develop the ethos of the research and creative communities, including: conducting research activity in an independent manner, respecting the principle of public ownership of the results of research activity, while taking into consideration the principles of the protection of intellectual property	
	P8S_KO is ready to fulfil the social commitments of researchers and creators	
	P8S_KK is ready to conduct a critical assessment of personal contribution into the development of a particular scientific or artistic discipline	preparing and submitting a doctoral dissertation
	P8S_KO is ready to initiate activities for public benefit	
	P8S_KO is ready to think and act in an enterprising manner	
	P8S_KK is ready to acknowledge the significance of knowledge in solving cognitive and practical issues	

\* In accordance with the Act of 22 December 2015 on the Integrated Qualifications System.

\*\* In accordance with the regulation of the Minister of Science and Higher Education of 14 November 2018 on the characteristics of the second-degree learning outcomes for qualifications at levels 6-8 of the Polish Qualifications Framework.

## § 2.

1. The verification to the extent defined in the table referred to in § 1 shall be conducted, with regard to section 2 and prior to the initiation of the procedure to confer the degree of doctor, by the team referred to in § 22 of the "Procedure to confer the academic degree of doctor at the University of Gdańsk", hereinafter referred to as the "team".
2. The verification referred to in section 1 shall be conducted on the basis of:
  - 1) the implementation of a doctoral school's study programme;
  - 2) the implementation of the doctoral studies programme;
  - 3) the implementation of the programme of postgraduate studies preparing participants for the degree of doctor;
  - 4) other scientific, professional and didactic achievements, in particular those specified in the table defined in § 1 which may be confirmed by documents or statements by the supervisor.

## § 3.

Should it be impossible to conduct the verification referred to in § 2 section 1 on the basis of the achievements specified in § 2 section 2 points 1-4, the team shall conduct an additional examination in order to verify the learning outcomes specified in the table defined in § 1.

## § 4.

The team shall prepare and sign a report on the verification procedure. The report should be prepared in a manner which clearly states what verification actions were carried out, by whom, when and where, and whether the person seeking to be awarded the degree of doctor in the external mode has achieved the learning outcomes specified in the table defined in § 1.