Extract of the recruitment rules for the Doctoral School of the Wrocław University of Science and Technology for the academic year 2021/2022

Rules for discipline: chemical engineering

NOTE: The document contains an excerpt of the rules of recruitment to the Doctoral School of the Wrocław University of Science and Technology for the academic year 2021/2022 specific for one discipline. The full text is available at: https://szd.pwr.edu.pl/en/about-us/regulations .

(…)

§ 22
(Assessment criteria)

1. Candidates are assessed against five criteria:
   1) Grades obtained in the course of higher education (detailed rules are specified in § 23).
   2) Command of the English language (in accordance with Appendix 1 to the Admission Rules containing the scoring method depending on the obtained certificates and diplomas).
   3) Description of the initial concept of the doctoral dissertation (detailed rules are specified in § 24).
   4) Scientific activity or research and development activity (detailed rules are specified in § 25).
   5) Interview (detailed rules are set out in § 26).

2. The recruitment score is determined according to the formula $W = \sum_{i=1}^{5} k_i p_i$, where k_i is the weight of the *i*-th recruitment criterion and p_i is the number of points obtained in the *i*-th criterion.

3. The weights of the individual evaluation criteria k_i (*i* = 1, 2, 3, 4, 5) are:
1) $k_1 = 2$ (criterion: grades obtained in the course of higher education).
2) $k_2 = 2$ (criterion: command of the English language).
3) $k_3 = 1$ (criterion: description of the initial concept of the doctoral dissertation).
4) $k_4 = 3$ (criterion: scientific activity or research and development activity).
5) $k_5 = 3$ (criterion: interview).

4. Points p_i (*i* = 1, 2, 3, 4, 5) for each of the evaluation criteria are awarded by the selection committee on a scale from 0 to 10.

5. The recruitment result is negative when the candidate gets $p_i = 0$ points for one or more evaluation criteria.

6. The condition for admission to the Doctoral School is getting a recruitment point score of at least 50 points. out of 100 possible.

§ 23
(Criterion 1: grades obtained in the course of higher education)

1. Let S_1 denote the CGPA obtained during the first cycle studies, S_2 denote the CPGA got during the second cycle studies and S denote the CPGA obtained during the uniform studies (long-cycle master studies). The result of completed studies W is calculated as follows:
   1) With completed two-cycle studies, the first and second cycle grades $W = 0,5 \times (S_1 + S_2)$ are considered.
   2) With completed uniform studies $W = S$.
   3) With the not yet completed last semester of second-cycle studies, grades from all semesters of the second-cycle studies, excluding the last semester and are included in the S_2 indicator, and $W = 0,5 \times (S_1 + S_2)$.

4) With unfinished uniform studies, grades from all semesters of studies, excluding the last semester are included in S and $W = S$.

2. The number of points p_1 in the evaluation criterion grades obtained in the course of higher education, referred to in § 22 sec. 2 is assigned in accordance with the table below based on the W ratio calculated in accordance with sec. 1.

Result of completed studies W	Points p_1
at least 4,90	10
[4,80, 4,90)	9
[4,70, 4,80)	8
[4,60, 4,70)	7
[4,50, 4,60)	6
[4,40, 4,50)	5
[4,30, 4,40)	4
[4,10, 4,30)	3
[3,90, 4,10)	2
below 3,9	1

3. When calculating the number of points p_1 with candidates who obtained a diploma abroad, the grading scale used at Wrocław University of Science and Technology is considered. Therefore, the grading scale used at the university that issued the foreign diploma is converted accordingly.

§ 24
(Criterion 3: description of the initial concept of the doctoral dissertation)

1. The description of the initial concept of the doctoral dissertation should not be longer than 2 A4 pages and should contain:
   1) Name and surname of the candidate.
   2) The discipline in which the doctoral dissertation will be prepared.
   3) Thematic scope of the doctoral dissertation, including the initial definition of the research problem.
   4) Justification for the selection of the thematic scope of the doctoral dissertation.

2. The description of the initial concept of the doctoral dissertation should be prepared in Polish or in English.

3. The description of the initial concept of the doctoral dissertation should be approved by the potential supervisor.

4. When assigning the number of points p_3 in the criterion, the description of the initial concept of the doctoral dissertation referred to in § 22 sec. 2, the following procedure is used:
   1) Each member of the selection board assigns points on a scale from 0 to 10.
   2) The final result is the arithmetic mean of the awarded points.
   3) If a member of the selection committee is a potential supervisor indicated by the candidate, she or he does not participate in the assigning of points.

§ 25
(Criterion 4: scientific activity or research and development activity)

1. The number of points p_4 in the criterion of scientific activity or research and development activity referred to in § 22 sec. 2 is assigned according to separate rules for individual disciplines as described below.

Discipline: chemical engineering

The assessment covers:
   a) scientific publications (works accepted for publication: scientific monographs or their editors, chapters in scientific monographs, scientific articles), citations and scripts,
   b) participation in conferences, seminars, trainings, workshops and research clubs,
   c) patent applications and / or obtained patents,
   d) participation in grants and research projects,
   e) scholarships obtained through competition and other awards in competitions,
   f) domestic or foreign internships and apprenticeships,
   g) additional studies, postgraduate studies, acquired qualifications, completed specialist courses,
   h) participation in the work of a research club.

If at a given stage of the assessment in this category the sum of points reaches $p_4 = 10$ points, this value is considered final. All presented and documented (confirmed) scientific achievements of the candidate are subject to evaluation based on the following scoring system:

Type of activity	Points
Publications	
Article / publication in a journal / book of international scope Article / publication in a national journal / book	5
Article / publication in a journal / book of international scope Article / publication in a national journal / book	1
Participation in conferences, seminars, trainings, workshops and research clubs	
Individual presentation at an international conference in the form of an oral presentation	4
Individual presentation at a national conference in the form of an oral presentation	2
Individual presentation at an international conference in the form of a poster presentation	2
Individual presentation at the national conference in the form of a poster presentation	1
Individual presentation at an international student conference in the form of an oral presentation	2
Individual presentation at the student national conference in the form of an oral presentation	1
Individual presentation at an international student conference in the form of a poster presentation	1
Individual presentation at the student national conference in the form of a poster presentation	0,5
Patent applications and / or obtained patents	
Obtained patents	3
Patent application	2
Participation in grants and research projects	
Managing a research project	5
The role of the contractor in a scientific-research project	2
Scholarships obtained through competition and other awards in competitions	
Scholarships obtained through competition	2
International award for scientific achievement	5

National award for scientific achievements	3
Domestic or foreign internships and apprenticeships	
Long-term internship abroad (1 month or more)	5
Long-term national internship (1 month or more)	2
Short-term internship abroad (1-4 weeks)	3
Long-term national internship (1-4 weeks)	1
Other activities	
Postgraduate studies	2
Completed specialist courses	1,5
Participation in the work of a research club	1,5

§ 26
(Criterion 5: interview)

1. The interview is conducted in Polish and / or English.
2. In justified cases, it is possible to conduct an interview remotely using electronic means of communication selected by the recruitment committee.
3. Number of points p_5 in the interview criterion, referred to in § 22 sec. 2 is assigned according to separate rules for individual disciplines.

Discipline: chemical engineering

The assessment covers:
   a) the candidate's level of knowledge and the way of presenting the current scientific interests, e.g. the subject of the thesis,
   b) initial concept of research planned as part of the doctoral dissertation,
   c) compliance of the proposed research topic with the list of research topics important for the university's development strategy.

The following procedure is used for the evaluation: each member of the recruitment committee assigns points on a scale from 0 to 10. The final score is the arithmetic mean of the awarded points. A positive evaluation of each component of the score is required (above 0 points). A negative assessment of one or more components (0 points) is tantamount to a total score of $p_5 = 0$ points, which is a negative result of the recruitment.

Scoring components	Points
The way of presenting the current scientific interests, e.g. the subject of the thesis	0-5
Initial concept of planned research as part of the doctoral dissertation	0-3
Compliance of the planned research topic with the topics defined within the discipline and the technical and organizational possibilities of the department for its implementation	0-2

Appendix 1
to the rules of recruitment to the Doctoral School of Wrocław University of Science and Technology (WUST) for the academic year 2021/2022

Evaluation of the knowledge of English – list of certificates and diplomas

Admission points Doctoral School WUST	Language courses / central examination grade – other universities	Language courses in the Department of Foreign Languages WUST	Cambridge English Qualifications	IELTS	ACERT	PTE Academic	TOEFL (iBT) TOEFL (CBT) TOEFL (PBT	Language Cert	Common European Framework of Reference (CEFR)
10	C2	SJO C2.1	C2 Proficiency	8.0 – 9.0					C2
	C1	SJO C1.2	C1 Advanced 180 – 200	7.0 – 7.5	ACERT C1	65	od 94 od 240 od 587	C1 Pass	C1
	B2 grade 5.5	SJO B2.2 grade 5.5							
8	B2 grade 5.0	SJO B2.2 grade 5.0	B2 First 176 – 179	6.5	ACERT B2 grade 5.0	61	86-93 226-239 568-586	B2 134-150(W) 179-200 (W&S)	B2
6	B2 grade 4.5/4.0	SJO B2.2 grade 4.5/4.0	B2 First 173 – 175	6.0	ACERT B2 grade 4.5/4.0	56	79-85 213-225 550-567	B2 115-133(W) 153-178 (W&S)	B2
4	B2 grade 3.5	SJO B2.2 grade 3.5	B2 First 167 – 172	5.5	ACERT B2 grade 3.5	51	72-78 198-212 531-549	B2 97-114 (W)	B2

2	B2 grade 3.0	SJO B2.2 grade 3.0	B2 First 160 – 166		ACERT B2 grade 3.0	46	65-71 183-197 513-530	129-152 (W&S) B2 75-96 (W) 100-128 (W&S)	B2

10	University diploma in philology or applied linguistics in a modern foreign language.
10	University diploma, with a degree corresponding to the Polish Master's degree, obtained in countries where the language of instruction is an official language.
10	A document issued abroad, confirming the obtaining of an academic degree or title as well as a degree or title in the field of art – the leading language of a higher education institution is recognised.
10	A document confirming the completion of higher education or post-graduate studies abroad or in the Republic of Poland - the leading language is recognised provided that the language of instruction was exclusively foreign.
10	A document confirming entry on the list of sworn translators in the Republic of Poland or a document confirming the qualifications of a sworn translator in another Member State of the European Union or in a Member State of the European Free Trade Association (EFTA), a party to the Agreement on the European Economic Area, or in the Swiss Confederation.
10	A document certifying that the foreign language concerned is the mother tongue (first); the person concerned is a native speaker of that language.