

**Discipline-Specific Admission
Regulations for the Master's
Program in Mathematics at the
University of Potsdam**

**Dated February 26,
2019**

**in the first amended version of the
Subject-Specific Admission
Regulations
for the Master's Program in
Mathematics at the
University of Potsdam**

**- Unofficial consolidated version¹ -
dated September 14, 2022²**

The Faculty Council of the Faculty of Science of the University of Potsdam has approved, in accordance with Section 9 subsection 5 sentence 2 in combination

with Section 12 subsection 2 sentence 2 and
Section

72 subsection 2 no. 1 of the Brandenburg Higher Education Act (BbgHG) of April 28, 2014 (Law and Ordinance Gazette [GVBl.] I/14, [no. 18]), last amended by Section 2 of the Law of September 20, 2018 (GVBl. I/18, [no. 21], p. 2) in combination with the Brandenburg University Admissions Act (BbgHZG) of July 1, 2015 (GVBl. I/15, [no. 18]), last amended by Section 1 of the Law of September 20, 2018 (GVBl. I/18, [no. 21], p. 21), in combination with the University Admissions Act (HZV) (GVBl. II/16, [no. 6]), last amended by Section 7 of the Law of September 20, 2018 (GVBl. I/18, [no. 21], p. 6) and under Section 21 subsection 2 no. 1 of the Basic Constitution of the University of Potsdam of December 17, 2009 (Official Notices of the University of Potsdam no. 4/2010 p. 60) as amended in the Fifth Statute to Amend the Basic Constitution of the University of Potsdam (GrundO) of February 21, 2017 (Official Notices of the University of Potsdam no. 11/2018 p. 634) and the General Admission Regulations for Master's Degree Programs at the University of Potsdam Not Related to Teacher Education (Zulassungsordnung, ZulO) of February 24, 2016 (Official Notices of the University of Potsdam no. 3/2016, p. 76), on February 26, 2016, the following ordinance:

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§ 1 Applicability

These admission regulations, combined with the General Admission Regulations for Master's Degree Programs at the University of Potsdam Not Related to Teacher Education (Zulassungsordnung, ZulO), govern the admission requirements and the university selection process for the non-teaching- oriented Master's program in Mathematics at the University of Potsdam. Otherwise, the admission regulations (ZulO) apply.

§ 2 Assignment of Tasks in the Procedure

While conducting the admission and selection procedure, the Examining Board can assign specific tasks of a purely administrative nature to qualified employees of the program who are not members of the Examining Board.

§ 3 Admission Requirements

- (1) The following special admission requirements apply to the master's program in Mathematics:
 - A first professional university degree in mathematics or in another subject related to mathematics or physics of at least 180 credit points (CP), in which evidence of modules with proof-oriented mathematical content of at least 90 LP is given. Verification is required of content from
 - a) Analysis and Linear Algebra (at least 45 CP) and
 - b) Stochastics, Statistics, Numerical Analysis or Geometry.These contents must have been acquired via formal rules of logic and proof techniques. Proof techniques are e.g. proof by contradiction, proof by induction, proof by contraposition.
 - In addition, evidence of the acquisition of basic scientific work techniques for preparing and writing scientific papers and texts is required. This includes, for example, evidence analogous to the basic academic skills taught in the Bachelor of Mathematics (e.g. analysis and presentation techniques, critical discussion skills, research techniques and criteria for scientific writing). Evidence may include course content, term papers, seminar papers, dissertations, and presentation slides.
 - If the evidence originates from a system without credit points, the Examining Board decides on the equivalence of the work performed there.

¹ This English version is only intended for information purposes. Only the German version of the "Zulassungsordnung" for the Master's Program

in Mathematics is legally binding.

² Approved by the President of the University of Potsdam on XXX, 202X.

(2) English-language proficiency that corresponds to at least Level B1 of the European Framework for Languages.

The required English-language proficiency shall be demonstrated by presenting one of the following certificates or records:

- Certificate of general higher education entrance qualification with documentation of English as a foreign language, or a certificate of a higher education entrance qualification with confirmation of the B1 level,
- UNICert of at least Level 1,
- TOEFL Internet Based Test: at least 57 points
- Cambridge English: Preliminary (PET) with a grade of at least B,
- IELTS with at least 3.5 points in each section,
- Certificate of a degree from an English-language degree program at an accredited institution of higher education.

(3) In a deviation from Section 4 subsection 5 of ZulO, German language skills need not be demonstrated.

§ 4 Application Materials and Deadlines

(1) The application for the Master's program in Mathematics, when matriculating as of the first semester, can begin in either the winter or summer semester. The application for the Master's program in Mathematics, when matriculating as of a later semester, can begin in either the winter or summer semester.

(2) The ZulO specifies application deadlines as long as the course of study does not have restricted admissions. If the course of study does have restricted admissions, then, in accordance with Section 6 subsection 3 of the ZulO, the application deadline for the winter semester is July 15 and for the summer semester January 15.

(3) If the program has restricted admissions, the following materials must be submitted in addition to those listed under Section 5 subsection 4:

- Evidence of other qualifications under Section 6 subsection 2 (b).

§ 5 Quota of International Applicants

At variance with the quota specified under Section 19 subsection 1 of the HZV, a quota of 50% is reserved for international applicants and for stateless applicants who are not accorded rights equal to Germans.

§ 6 University Selection Process

(1) If the Master's program has restricted admissions, a university selection process is carried out under Section 9 of the ZulO with the objective of ranking the applicants as part of the admission allocation procedure under Section 8 of the ZulO.

(2) To establish the ranking, a total point value is calculated under Section 9 of the ZulO. In calculating the total point value under Section 9 of the ZulO, the following criteria are weighted as follows:

- a) Average grade or current average grade: 90%
- b) Other qualifications acquired during or after the Bachelor's degree relevant to admissions
– 10% divided as follows:
 - Study and research stays abroad lasting at least one month (5%)
 - Professional internships or professional experience, if the applicant can demonstrate its connection to the planned Master's program (5%).

(3) The criterion in 2(b) has the following options: "present/satisfied" or "absent/not satisfied." If materials to prove this selection criterion are missing at the application deadline listed in Section 4 subsection 3, the criterion is included towards the total point value as "absent/not satisfied."

§ 7 Validity

(1) The regulations take effect on the day of their publication in the Official Public Notices of the University of Potsdam.

(2) These regulations first apply to all admissions processes for the Mathematics Master's program conducted in the winter semester of 2019–20.