

Regulations for the degree programme Mathematics Master of Science (M.Sc.)

Amendment to the regulations of the degree programme, dated 13 April 2018



Resolution of the Departmental Council on 13 April 2018

Coming into force on 01 October 2018

Based on the approval of the Executive Board of Technical University of Darmstadt on 12 July 2018 (Ref. 651-4-2), the amendments of the Department of Mathematics, dated 13 April 2018, to the *Allgemeine Prüfungsbestimmungen* (APB – General Examination Regulations) of Technical University of Darmstadt regarding the degree programme Master of Science (M.Sc.) Mathematics have been published.

Darmstadt, 12 July 2018

The President of TU Darmstadt
Prof. Dr. H. J. Prömel

Art. I

In accordance with Section 44(1) no. 1 HHG (*Hessisches Hochschulgesetz* – Universities and Higher Education Act of the State of Hesse), dated 14 December 2009 (GVBl. I, p. 666), last amended by Article 1 of the Act, dated 30 November 2015 (GVBl. p510)), Section 6(1) GrundO (*Grundordnung* – Fundamental rules of TU Darmstadt), the Departmental Council of the Department of Mathematics passed the following 1st amendment to the Regulations of the degree programme Master of Science (M.Sc.) Mathematics on 13 April 2018:

Art. II

Section 17a(4) lit. a) and b): “Formal entrance examination”, Section 17a(4) lit c): “Substantive entrance examination” and Section 17a(8): “Admission subject to conditions” of the Implementation regulations specifying the Regulations of the degree programme Master of Science (M.Sc.) Mathematics have been amended as follows:

1. Implementation regulations

For Section 17a(4) lit. a) and b): Formal entrance examination

During the formal entrance examination, the required entrance competencies are verified on the basis of the written documents to be submitted by the applicants. The following documents must be submitted: the transcript of records for the first university (undergraduate) degree, the Diploma Supplement or comparable documents for the degree programme leading to this first degree, a self-assessment of existing competencies and their equivalence to the required entrance competencies by the applicant as well as any existing results of admission or aptitude tests by another university or a private provider with corresponding standards (such as GRE or comparable tests). During admission, a mentor from a field of research of the Department of Mathematics of TU Darmstadt, in which the applicant is considered fit for study without conditions, will be appointed. This mentor will participate in the decision on admission. The final decision on admission will be made by the Selection Committee, in which all fields of research of the Master's degree programme are represented.

For Section 17a(4) lit. c): Substantive entrance examination

If doubts arise during the formal entrance examination of the written documentation that the existing competencies meet the requirements, a substantive entrance examination will then be conducted.

The following is carried out as part of the substantive entrance examination:

- **either** a 30-minute oral examination taking place on the premises of Technical University of Darmstadt
- **or** a 30-minute oral examination via Internet-based video telephony that is unobjectionable under data protection law, with the identity of the applicant determined by a trustee on site (in particular, employees of cooperating universities or DAAD).

If it becomes evident that more than 20 candidates need to take a substantive entrance examination or that video telephony cannot be used properly, the Examinations Board can decide to assess the candidates' qualification in a 90-minute written examination.

The Examinations Board can also ask a trustee on site (particularly employees of cooperating universities or DAAD) to conduct an oral or written examination in accordance with these regulations; however, the decision of the Examinations Board remains unaffected.

The Examinations Board determines the form and time of the substantive entrance examination and names the examiners. The examiners decide upon the content of the examination to ascertain the applicant's qualification for the degree programme Master of Science (M.Sc.) Mathematics at Technical University of Darmstadt.

One of the examiners is from the field of research of the Department of Mathematics of TU Darmstadt, in which the applicant has been considered fit for study without conditions during the prior formal entrance examination. Should the applicant be admitted, one of the examiners will be the applicant's mentor while studying at TU Darmstadt. The final decision on admission will be made by the Selection Committee, in which all fields of research of the Master's degree programme are represented.

For Section 17a(8): Admission subject to conditions

If, after an entrance examination, it is found that the applicant lacks entrance competencies that can be compensated for by completing modules amounting to no more than 30 CPs, admission may be granted subject to conditions. The letter of admission will list the modules or technical examinations that are required. The conditions are governed by the APB (*Allgemeine Prüfungsbestimmungen* – general examination regulations) of TU Darmstadt with the exception of the second resit/retake examination in accordance with Section 31 APB and the oral supplementary examination (mEP) in accordance with Section 32 APB, i.e., only two attempts per condition are permitted.

Art. III Coming into force

For Section 38a: Coming into force

The amendments of the Regulations of the degree programme Master of Science (M.Sc.) Mathematics (Implementation regulations) come into force on 01 October 2018. They will be published in the *Satzungsbeilage* (appendix to the statutes) of Technical University of Darmstadt.

By coming into force, the Section 17a(4) lit. a) and b): “Formal entrance examination”, Section 17a(4) lit c): “Substantive entrance examination” and Section 17a(8): “Admission subject to conditions” of the Implementation regulations specifying the Regulations of the degree programme Master of Science (M.Sc.) Mathematics, dated 14 July 2017, (*Satzungsbeilage* (appendix to the statutes) 2018-IV) cease to be in force. All other sections remain in force unchanged.

Darmstadt, 12 July 2018

The Chairperson of the Department of Mathematics
