

This English translation is offered for information purposes only. In the event of any discrepancy or doubt in interpretation, the original German texts published in the Official Notices of Rhine-Waal University of Applied Sciences take precedence. Only the original German texts are considered legally binding.

Examination Regulations

for

Mechanical Engineering B.Sc.

Faculty of Technology and Bionics
Rhine-Waal University of Applied Sciences

Dated 9 January 2018
(Official Notice 18/2018)

As amended by the
Second amending statutes
Dated 17 November 2022
(Official Notice 13/2023)

Contents

Section 1	Scope
Section 2	Academic objectives; purpose of examination; degree awarded
Section 3	Admission requirements
Section 4	Basic internship
Section 5	Programme structure; volume of instruction hours; progression of studies
Section 6	Internship semester; semester abroad
Section 7	Scope of examinations
Section 8	Scope and form of the thesis
Section 9	Admission to the thesis and colloquium
Section 10	Credit values for the thesis and colloquium
Section 11	Awarding of the bachelor's degree
Section 12	Entry into force
Annex 1:	Recommend full-time study and examination plan for Mechanical Engineering B.Sc.

Section 1 Scope

These examination regulations apply to the undergraduate degree programme Mechanical Engineering B.Sc., offered in English at the Faculty of Technology and Bionics of Rhine-Waal University of Applied Sciences, and are valid in conjunction with the General Examination Regulations (“RPO”) of Rhine-Waal University of Applied Sciences. They govern the full-time, seven-semester mode of study.

Section 2 Academic objectives; purpose of examination; degree awarded

(1) This degree programme concludes with the bachelor’s examination, which forms the basis for the professionally qualifying nature of the degree. The overall aims and objectives for this degree programme are outlined in Section 3 RPO. A strong command of the English language is key to achieving success in this degree programme, as it provides the essential basis for the continuous goal of expanding and honing students’ technical language and communication skills.

(2) The academic degree “Bachelor of Science”, abbreviated as “B.Sc.”, is awarded for successfully completing the bachelor’s examination.

Section 3 Admission requirements

(1) General admission requirements are defined in Section 4 RPO.

(2) Intentionally omitted.

(3) A “related or comparable programme of study” within the meaning of Section 4 (6) RPO is defined as any bachelor’s or *Diplom* degree programme at a university or university of applied sciences whose content can be predominately attributed to the field of engineering, with a focus on mechanical engineering.

(4) Sufficient proficiency in English can be demonstrated by submitting a valid and recognised language certificate equivalent to level B2 of the CEFR (Common European Framework of Reference for Languages).

(5) Exempted from this language certificate requirement are applicants who have acquired English language proficiency equivalent to level B2 over the course of earning their university entrance qualification [*Hochschulreife*] at a secondary school in Germany. This is considered the case when an applicant has successfully completed at least seven years of English at a German secondary school and earned a final cumulative mark for English of at least “sufficient” (4.0 or better on the German grading scale).

(6) The admissions process and requirements for non-EU international applicants are set forth in the Entrance Examination Regulations for Mechanical Engineering B.Sc. at Rhine-Waal University of Applied Sciences from 24 March 2014 (Official Notice 13/2014).

Section 4 Basic internship

(1) The basic eight-week internship as defined by Section 4 (3) RPO should be completed at an external company, public office or other organisation that and familiarise students with questions and matters relating to materials engineering, general engineering, business organisation and business economics.

(2) The requirements for the aforementioned focus areas in the basic internship are set forth in the Internship Regulations for Engineering Programmes of the Faculty of Technology and Bionics at Rhine-Waal University of Applied Sciences.

Section 5 Programme structure; volume of instruction hours; progression of studies

(1) The total volume of instruction for this degree programme is 134 semester hours (SWS).

(2) The modules of this degree programme comprise a total sum of 210 credits according to the ECTS framework defined in Section 6 (5) RPO.

(3) Intentionally omitted.

(4) Additional information about the breakdown of this degree programme and the type, form and scope of modules is available in the study and examination plan at the end of this document. Additional information about learning outcomes, qualification aims, contents and forms of examination is available in the corresponding module guide, which is available for viewing in the faculty's central office.

(5) Progression in this degree programme is limited by the following thresholds:

(a) In order to register for examinations scheduled for the fourth semester or higher, students must have achieved at least 53 credits from modules scheduled for the first two semesters of study in accordance with the applicable study and examination plan. This requirement does not apply to the elective module Foreign Language.

(b) In order to register for examinations scheduled for the fifth semester or higher, students must have achieved at least 63 credits from modules scheduled for the first two semesters of study in accordance with the applicable study and examination plan. This requirement does not apply to the elective module Foreign Language.

(c) The requirements for admission to the internship semester / semester abroad are unaffected by these thresholds.

(6) For the elective module Foreign Language, non-native speakers of German should register for a German course. Native speakers of German may register for any other language course offered.

Section 6 Internship semester; semester abroad

(1) Providing support with students' search for an internship (Section 21 (4) sentence 1 RPO) as well as the option of an applied project at the University instead of an internship (Section 21 (4) sentence 2 and 3 RPO) are excluded for this degree programme in accordance with Section 21 (4) sentence 4 RPO.

(2) Deviating from Section 22 (5) and (7) RPO, the following additional requirements apply to semesters abroad. Students planning a semester abroad must obtain a minimum of 30 credits (or the full-time equivalent of the host university). The semester abroad can only be recognised in full if at least 30 credits (or the full-time equivalent) have been obtained and this is verified by an official

certificate from the host university. Students who have earned fewer than the planned 30 credits, but at least 15 credits, must complete additional modules at Rhine-Waal University of Applied Sciences to make up for the difference and receive full credit (30 credits) for the semester abroad

(3) The semester abroad is considered failed if fewer than 15 credits were obtained.

(4) Students planning a semester abroad must conclude a learning agreement with the faculty advisor designated in the module guide, in which the modules they intend to complete at the host university are clearly defined.

(5) Students who are unable to adhere to their learning agreement for reasons out of their control must report their circumstances to the Examination Board without delay to arrange a new learning agreement. If students fail to report changes to their learning agreement, the Examination Board will decide whether to accept credits earned in modules or courses that were not previously agreed upon in the learning agreement.

Section 7 Scope of examinations

(1) The time allotted for a written examination depends on the number of obtainable credits. As a rule, 30 minutes are allotted for every one credit, for a total duration up to, but not exceeding, two hours.

(2) An oral examination generally lasts between 30 and 45 minutes.

(3) Assignments, term papers or projects should generally not exceed approx. 10,000 words (or approx. 30 pages, DIN A4).

Section 8 Scope and form of the thesis

(1) The main text portion of the thesis should generally be between 15,000 words (or approx. 50 pages, DIN A4) and approx. 25,000 words (or approx. 70 pages, DIN A4) in length. The thesis may also be supplemented with other media as well, provided their use as additional documentation is appropriate and helpful within the context of the assigned task. In this case, the length of the text portion of the thesis may deviate from the aforementioned minimum requirement.

(2) The thesis can also be submitted as group work if each student's individual contribution fulfils the requirements set forth in Section 23 (1) RPO and is clearly distinguishable (and thus assessable) thanks to clear and distinct delimitation by sections, page numbers or other criteria.

Section 9 Admission to the thesis and colloquium

(1) In addition to the requirements for admission to the thesis defined under Section 24 (1) no. 3 RPO, students must also have obtained at least 175 credits.

(2) In addition to the requirements for admission to the colloquium defined under Section 27 (2) no. 3 RPO, students must also have obtained at least 207 credits.

Section 10
Credit values for the thesis and colloquium

- (1) Twelve credits are awarded for passing the undergraduate thesis.
- (2) Three credits are awarded for passing the colloquium.

Section 11
Awarding of the bachelor's degree

The bachelor's degree specified in Section 2 (2) is officially conferred upon issuing of the bachelor's degree certificate defined in Section 30 (1) RPO.

Section 12
Entry into force

- (1) These examination regulations will enter into force on the day after publication in the Official Notices (*Amtliche Bekanntmachungen*) of Rhine-Waal University of Applied Sciences.
- (2) Students who are currently enrolled in the dual-vocational version of Mechanical Engineering B.Sc. may continue their studies according to the previous examination regulations dated 9 January 2018 (Official Notice 18/2018), as amended by the first amending statutes from 4 June 2020 (Official Notices 21/2020), until 28 February 2030 at the latest.
- (3) Students currently enrolled in the dual-vocational version of this degree programme may submit a written request to the Examination Board to switch to the examination regulations defined herein.

Note: This amended version of the examination regulations entered into force on 16 March 2023.

