



OFFICIAL ANNOUNCEMENT

Official Gazette of the University of Wuppertal
Published by the Rector

NR_00 YEAR 00
Date

Examination regulations for the degree programme Sustainable Chemistry with the degree of Bachelor of Science at the University of Wuppertal

As of DD.MM.20YY

In accordance with § 2, section 4 and § 64, section 1 of the Higher Education Act (HE Act) of the State of North Rhine-Westphalia (NRW) dated 16 September 2014 (GV. NRW. S. 547), last amended on 29 August 2023 (GV. NRW. p. 1072), the University of Wuppertal has enacted the following examination regulations.

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I. General regulations

§ 1

Aims of the degree programme, purpose of examinations, admission requirements

- (1) The bachelor's examination completes the bachelor's degree programme Sustainable Chemistry as a professional qualification.
- (2) Graduates have general knowledge on chemical syntheses and their processing including specific knowledge to assess them with regard to the development of products and processes reducing or eliminating the use or production of hazardous substances. They are familiar with the fundamentals of sustainable chemistry and are able to develop their own ideas and solutions to problems on the subject of sustainability. Using their knowledge on complex concepts like chemical life cycles and toxicological effects on the environment and the human health, graduates are able to assess the consequences and risks of using chemical substances and technical procedures. Graduates can use scientific methods to evaluate the success of measures and reflect critically on their own decisions. By dealing with the topic of sustainability, graduates are particularly sensitised to their future role in civil society, politics and culture and the associated responsibility as experts. They are skilled in imparting knowledge to others and explain interrelationships to persons from other fields in a comprehensible way. They can provide proof of initial experience with real applications and are familiar with teamwork. These abilities enable graduates to work in companies, institutes, regulatory or government authorities as a consultant or decision-maker with a wide range of tasks. Moreover, graduates are acquainted with scientific work and scientific concepts as well as theories and methods of sustainable chemistry. Graduates are able to critically evaluate and reflect their own behaviour. Furthermore, they are able to research sources independently and broaden their knowledge. This enables them to work in a scientific environment and to continue their chemistry studies with regard to an academic career.
- (3) The admission requirements for the Sustainable Chemistry degree course leading to a Bachelor of Science degree are proven by the certificate of higher education entrance qualification (general or relevant restricted university entrance qualification) or by a previous qualification recognised as equivalent by the Ministry of Education. In addition, an English language level of at least B2 is required.

§ 2

Degree awarded

The University of Wuppertal awards the degree of "Bachelor of Science" (abbreviated BSc) to candidates who successfully pass the bachelor's examination.

§ 3

Standard period of study and workload

- (1) The standard period of study of the bachelor's degree programme in Sustainable Chemistry, including the bachelor's thesis, is six semesters.
- (2) The overall workload for the programme, including contact hours, preparatory and complementary study and the bachelor's thesis comprise 180 CP. One CP represents an average workload of 30 hours (ECTS credit points). The actual amount of work required by individual students to achieve the learning outcomes may vary.

§ 4

Examination dates and deadlines

- (1) Examination dates must be arranged in a way that the bachelor's degree programme, including the thesis, can be completed within the standard period of study.
- (2) Examinations are generally to be completed before the end of the semester in question.

- (3) Registration for the examinations (§ 11) must take place at least two weeks before the respective examination date.
- (4) If examinations are provided as a service by other departments/schools, the service-providing body determines the modalities, e.g. the registration and cancellation periods.

§ 5

Examination board

- (1) The examinations are organised by an examination board constituted by the School of Mathematics and Natural Sciences. The board consists of seven members: four professors, one non-professorial member of school, and two students. The chairperson, deputy chairperson and other members are appointed by the Faculty Board. Appointments are for an extendable two-year-term. The Faculty Board has to establish an examination board and may transfer the tasks and responsibilities of it to another examination board established by the Faculty Board in accordance with the provisions of the general regulations of the University of Wuppertal (internal bulletin 86/15) in its currently valid version.
- (2) The examination board is an official body according to administrative procedural law and the code of administrative practice.
- (3) The examination board ensures that examination regulations are duly observed and that examinations are conducted in accordance with these regulations. It is in particular responsible for decisions in the event of objection to decisions taken in the course of examinations. The examination board reports regularly, and at least once a year, to the school about the development of examinations and the times taken to complete the degree program, including the actual time taken to assess and process the bachelor's thesis, as well as about the distribution of overall and individual subject grades. The report must be published by the university in a suitable manner. The examination board makes suggestions for the reform of the examination regulations and the degree programme. The examination board can delegate performance of its regular tasks to the chairperson and deputy chairperson; this does not apply to decisions about objections or to the report to the school.
- (4) The examination board constitutes a quorum when, in addition to the chairperson or deputy chairperson and at least one other professor, at least a total of half the members entitled to vote are present. The board's decisions are by simple majority. In the event of parity of votes, the vote of the chairperson is decisive. Student members of the board are active in the evaluation, recognition, and transfer of course and examination credits, but not in decisions concerned with the academic subject, with setting examination questions, or with the appointment of examiners and co-examiners.
- (5) Members of the examinations board are entitled to be present at examinations.
- (6) Meetings of the examinations board are not open to the public. Members of the board are bound to confidentiality by virtue of their office. Members who are not in public service must be bound to confidentiality by the chairperson of the examinations board.
- (7) If the respective examination board agrees, expert guests can be admitted to the meetings of the examination board. The guests are not entitled to vote, but are also bound to confidentiality in accordance with section 6, sentence 3.

§ 6

Examiners and co-examiners

- (1) The examinations board appoints examiners and co-examiners. This task may be delegated to the chairperson. Examiners must possess at least a relevant master's degree or diploma degree or equivalent and, unless there are serious reasons to the contrary, have taught independently in the subject in question. Co-examiners must possess at least a relevant bachelor's degree or equivalent.
- (2) Examiners and co-examiners act independently in their function as examiners.
- (3) The chairperson of the examinations board will ensure that the names of the examiners are made known to the candidates in due time, at least four weeks before the date of the examination in question. A notice on the announcement board is sufficient.
- (4) Examiners and co-examiners are bound in accordance with § 5, section 6, sentences 2 and 3.

§ 7

Recognition and transfer of credits for academic courses completed and examination grades

- (1) Credits gained in a degree programme at other state universities or state-approved higher education institutions, at state or state-approved institutions of cooperative education or in study programmes at foreign state or state-approved higher education institutions or in another degree programme at the University of Wuppertal can be recognised upon application, if they do not substantially diverge in content and competencies from the credits they would replace. Credits recognised in this way will be transferred as course or examination credits to the modules listed in these examination regulations; they may also be transferred as modules in their own right to the elective area of the bachelor's programme. On application, other knowledge and qualifications can be recognised up to a maximum of half of the study and examination credits on the basis of the documents submitted, if this knowledge and qualifications are equivalent in content and level to the examination credits they are intended to replace.
- (2) Recognition and transfer of periods of study and course and examination credits gained at a foreign university must be regulated in accordance with the equivalence agreements adopted by the Standing Conference of Ministers of Education and Cultural Affairs and the University Rectors' Conference, as well as with university partnership agreements. In cases of doubt the University International Center, the Student Admission and Registration for International Students and the Central Office for Foreign Education may also be consulted.
- (3) Recognition and transfer of periods of study and course and examination credits gained in a state-approved distance learning university or in distance learning modules developed by the State of North Rhine-Westphalia in cooperation with the other German states and with federal authorities follows sections 1 and 2.
- (4) The examination board decides on recognition and transfer in accordance with sections 1-3. Students must submit the documentation required for this purpose in the form determined by the examinations board. The decision must be made within three months from the date of full submission of all information required for the application in question. The examinations board can delegate the decision about recognition and transfer to the chairperson or deputy chairperson of the examination board.
- (5) When course or examination credits are transferred, the grades – insofar as the grading schemes in question are comparable – are also to be transferred and assumed into the calculation of the final grade. If the grading schemes are not comparable, the credit will be transferred with the annotation "pass". The transfer will be noted in the certificate.
- (6) If the conditions stated in sections 1-3 are fulfilled, there is a legal right to transfer of credits.
- (7) If recognition or transfer of credits is refused, reasons for this refusal must be given and the applicant must be informed in writing without delay and advice on applicable legal remedies must be provided.

§ 8

Default, withdrawal, deception, infringement of regulations

- (1) An examination will be deemed "failed" (grade 5.0) if the candidate fails to turn up for the examination without good reason, or withdraws without good reason after the examination has begun. The same holds if a written examination assignment is not submitted within the deadline. With the exception of the bachelor's thesis, candidates can, without giving a reason, withdraw their registration for module examinations up to one week at the latest before the examination date.
- (2) The reasons given for withdrawal or default in accordance with section 1 sentences 1 and 2 must be submitted in writing without delay to the examinations board together with substantiating evidence. If the reason given is sickness, the board can require the candidate to submit a medical certificate confirming inability to sit the examination. In individual cases, the chairperson of the examinations board can require a medical certificate from an independent medical examiner designated by the board. If the examinations board does not accept the submitted reasons, this will be communicated to the candidate in writing.

- (3) If the candidate attempts to influence the result of the part-examination by deception or by using inadmissible aids, the part-examination in question will be deemed failed (grade 5.0); the facts of the matter will be determined by the examiner and officially recorded by the examiner or invigilator. Moreover, in serious cases, or in the event of repetition, the examinations board can, after consulting with the Faculty Board, declare prior part-examinations failed, or can revoke the right to repeat the examination and declare the entire examination definitively failed. A candidate who disturbs the orderly process of examination in accordance with relevant regulations can, as a rule after due warning, be excluded by the examiner or invigilator from further participation in the examination; in this case the [part-]examination in question will be deemed failed (5.0). The reasons for the candidate's exclusion must be officially recorded. In serious cases the examinations board can exclude the candidate from further part-examinations. Before a decision is made, the candidate must be given an opportunity to state her or his case.
- (4) Candidates can within 4 weeks require decisions made in accordance with section 3 sentence 1 and sentence 3 to be reviewed by the examinations board.
- (5) Encumbering decisions must be communicated to the candidate in writing without delay, giving reasons and providing advice on applicable legal remedies.

II. Bachelor's degree examination

§ 9

Admission to the Bachelor's degree examination

Admission to the Bachelor examination is granted to students who

1. are enrolled in the Sustainable Chemistry degree programme at the University of Wuppertal leading to a Bachelor of Science degree or is admitted as a subsidiary student in accordance with Section 52 (2) Higher Education Act (HG).
2. have submitted a declaration that they have not, at a university within the domain of the German Constitutional Law, definitively failed any examination required by these examination regulations, and that they are not currently involved in an examination procedure in the same degree programme; the same applies for related or comparable degree programmes.

§ 10
Nature and scope of the bachelor's examination

- (1) The bachelor's examination comprises successful completion of the modules and bachelor's thesis. Candidates who gain 180 credit points in the modules and module examinations as described below (see Annex) pass the bachelor's examination. The module descriptions are a constitutive part of these examination regulations. Module examinations are held on the continuous assessment model i.e., at the end of each module; the credit points record (§ 14 Para. 1) is kept by the examinations committee.
- (2) The bachelor's examination comprises in detail the following subject areas:

Introduction and Fundamentals		
SCENG	English for Natural Scientists	3 CP
SCMAT	Mathematics	5 CP
SCBC	Fundamentals of Chemistry	12 CP
SCPHY	Physics for Chemists	4 CP
SCICS	Introduction to Computer Sciences	4 CP
Instrumental Analysis and Inorganic Chemistry		
SCANME	Analytic Methods	8 CP
SCQA	Quantitative Analysis	10 CP
SCIA	Instrumental Analysis	10 CP
ACIC1	Inorganic Chemistry	6 CP
ACIC2	Experimental Inorganic Chemistry	8 CP
Organic Chemistry		
SCOC1	Introduction to Organic Chemistry	10 CP
SCOC2	Reaction Mechanisms	10 CP
SCOC3	Homogeneous Catalysis	10 CP
Sustainability and Green Chemistry		
SCGC	Green Chemistry	10 CP
SCIND	Pathways to Sustainability in the Industry	3 CP
SCSSC	Materials Chemistry	5 CP
SCRM	Renewable Materials	4 CP
SCSPC	Introduction to Sustainable Polymer Chemistry	10 CP
Physical Chemistry		
SCCKD	Chemical Kinetics and Dynamic	6 CP
SCMMM	Modelling of Molecules and Materials	8 CP
SCTEC	Thermodynamics and Electrochemistry	8 CP
Toxicology		
SCTOX	Toxicology	4 CP
Industry Placement		
SCINTERN	Industry Placement	10 CP
SCBA	Thesis	12 CP
Total		180 CP

- (3) On the basis of the module descriptions (annex) a module reference book is issued. The module reference book contains obligatory and detailed information about
1. The learning outcomes to be achieved,
 2. The structuring module components, especially descriptions of contents as well as the form and extent of the courses, and, if applicable, an obligation to participate and the required scope of participation in the courses,
 3. the distribution of the workload for preparing the participation at the individual module components and the corresponding follow-up afterwards,
 4. the requirements and recommendations to participate at courses and examinations,
 5. the choice between alternative module components,
 6. the extent of workload of the module examination and the non-graded assignments as far as it is not yet included in the stated workload of the module components as well as
 7. additional information for a detailed description of the study and the examination.
- The module reference book has to be published in a suitable manner. It can be adjusted if necessary and in consideration of the guidelines of § 2 and the module descriptions (annex).

§ 11

Examinations, proof of achievement, credit points (CP)

- (1) In the module examinations, the candidates should demonstrate the learning outcomes to be acquired. The module examinations are conducted in accordance with the module descriptions.
- (2) Credit points are assigned to the individual modules. They are awarded when all examinations in the module have been completed and the respective module has been completed. Graded modules are graded in accordance with § 16 section 1.
- (3) Examinations which, according to the module descriptions, can only be repeated a restricted number of times must be assessed by two examiners. This is not necessary if a candidate who fails the examination will be allowed at least one further attempt. The grade awarded is the arithmetic mean of the grades proposed by the individual examiners.
- (4) Examinations in accordance with para. 3, can, when failed or deemed failed, be repeated unrestrictedly, one or two times in line with the relevant module description (annex). The Bachelor thesis can only be repeated once. Module examinations have to be offered twice a semester. If the student receives credit points for an oral examination, this examination can be repeated once during the current semester, if it has not been passed. This does not apply to examinations offered as services from other departments/schools. Restricted repeatable examinations can be repeated during the current semester in order to improve the grade received. An attempt to improve the grade is only licit in case the first examination was taken and passed. If the examinee achieves a better grade during this attempt, this grade will be indicated on the certificate and used as the basis for calculating the overall grade. It is not permitted to repeat an examination that has been passed. Further repetitions of the corresponding class during the semester are not permitted. If a candidate achieves the grade "insufficient" (5.0) in the last repetition of a limited repeatable in accordance with the module description, he/she must be given the opportunity to take another attempt in accordance with the module description upon application to the Examination Board before the grade "insufficient" is determined. This does not apply if this grade was determined due to an examination offence, an omission or a withdrawal without a valid reason in accordance with § 8. The application to take the further examination must be submitted in writing to the examination board no later than 4 weeks after the result of the last repeat examination has been announced.
- (5) The form in which non-graded assignments can contribute to the assessment of a module must be laid down by the instructor in the course programme announcement, unless the examination regulations or module descriptions determine otherwise. Examiners and instructors are urged to ensure that the workload for non-graded assignments and their preparation time does not exceed the workload as determined by credit points.
- (6) An examination is always held in the language of the associated course. The candidate is not entitled to write the examination in a language other than that of the associated course. On application, the examination can be written or held in another language at the candidate's choice with the consent of the examination committee.

§ 12

Compensation for disadvantage

- (1) Candidates who submit a physician's certificate attesting that because of sustained or chronic physical disability they are unable to take the examination wholly or partly in the set form must be allowed by the chairperson of the examinations committee to take an equivalent examination in another form. The same applies to course assignments.
- (2) For seriously disabled candidates as defined by Social Code IX, for the physically disabled, and for the chronically sick, exceptions must be made to the provisions of the examination regulations and organizational requirements and deadlines, taking appropriate account of the disability or chronic sickness in question. Applications for such exceptions must be submitted at the time of registration for the first module examination.
- (3) For candidates covered by the provisions of §§ 3, 4, 6 and 8 of the Maternity Protection Act, or of the Parental Allowance and Parental Leave Act, the examination conditions as laid down in these regulations must, upon application by the candidate, be determined by the examinations committee, with regard to the individual case.

§ 13 Types of examination

Examinations can be taken in the following regulated types in accordance with the module description. If module descriptions provide for alternative types of examination, the type of examination shall be determined in accordance with the module description.

1. Oral examinations

- a) Oral examinations seek to determine whether candidates can address and present issues from the examination subject and relate to an answer specific questions in this area.
- a) Oral examinations must be conducted individually by an examiner in the presence of a co-examiner who is versed in the subject. The presence of a co-examiner is not necessary if a candidate who fails the examination will be allowed at least one further attempt. Moreover, if the legal acceptability of the examination is not assured, oral examinations must always be held jointly by several examiners or by one examiner in the presence of a co-examiner who is versed in the subject. The duration of oral examinations must be set in the module descriptions as between 20 and 60 minutes.
- b) The examiner must determine the grade of the oral examination in accordance with § 16 Section 1 consulting the co-examiner beforehand.
- c) The main points and results of the examination must be put on file. Candidates must be told the result of the examination immediately afterwards.
- d) If there is enough space, students who intend to take the same examination at a later date must, unless the candidate objects, be admitted to the examination as auditors. This does not entitle them to attend the examiners' consultation or the communication of the results of the examination.

2. Invigilated written examinations

- a) Invigilated written examinations seek to determine whether candidates can, within a restricted time and with restricted aids, complete a task appropriate to the requirements of the degree program. The duration of written examinations must be set in the module descriptions as between 60 and 240 minutes. Tasks must be set in a way that they test basic knowledge of the content and methods of the subject, as well as the ability to apply knowledge to a specific issue.
- b) Invigilated written examinations must in principle be assessed by two examiners. This is not necessary in the case of module examinations where a candidate who fails will be allowed at least one further attempt. Assessment is in accordance with § 16 section 1.
- c) When assessment of a written assignment is by several examiners, the grade awarded is the arithmetic mean of the grades proposed by the individual examiners. The assessment must be communicated to the candidate within 6 weeks of the submission deadline. Candidates must be given the opportunity to inspect their written assignment within one month of the date of communication of the assessment.

3. Written assignments

- a) Examinations in the form of written assignments seek to determine whether, within a restricted time, and, in terms of content as well as method, candidates can independently complete a task appropriate to the requirements of the degree programme and can present the result in a scientifically and linguistically appropriate manner. The topic, length and time allotted for completion of the written assignment must be determined by the examiner. In individual cases, the examination board shall decide on the extension of the period allowed for the completion of limited repeatable written assignments. If a candidate is ill, a medical certificate must be submitted immediately. In this case, the extension will be granted for the duration of the sick leave, up to a maximum of four weeks.
- b) The written assignment can also be admitted in the form of a group work if the candidate's individual contribution is clearly distinguishable and evaluable based on the indication of sections, page numbers or other objective criteria that enable a clear differentiation of ownership of work.
- c) Examinations in the form of written assignments must in principle be assessed by two examiners. This is not necessary in the case of module examinations where a candidate who

fails will be allowed at least one further attempt. Assessment is in accordance with § 16 section 1.

- d) In the case of an assessment by several examiners, the grade of the written assignment results of the arithmetic average of the grades given by the examiners. The announcement of the assessment is made within 8 weeks after the examination date. Within one month after the announcement of the assessment, the examinees must be given the opportunity to have access to their written assignment.

4. Electronic examinations (“e-examination”)

- a) An “e-examination” is an exam which is created, executed, and assessed computer-assisted (with the exception of the open questions). An “e-exam” is admissible if it is possible to prove that the examinee masters the contents and methods of the module in important correlations and is able to apply the achieved knowledge and skills; if necessary, it can be supplemented by other examination forms.
- b) The “e-examination” has to be conducted in presence of a professional qualified person (recorder). A record has to be prepared about the course of the exam, which includes at least the name of the recorder as well as of the examinees, start and end of the exam and probably particular incidents. It must be guaranteed that the electronic data can be clearly and permanently assigned to the examinees. According to the regulations of § 21 the examinees must be granted the chance to inspect the computer-assisted examination as well as the achieved result. The assignment, including the sample solution, the assessment scheme, the individual examination results and the transcript must be archived in accordance with the legal provisions.
- c) The students must be given the opportunity to become acquainted with the examination regulations and the examination system before taking the exam.
- d) Examinations in form of electronic examinations principally have to be assessed by two examiners. This might be deviated if in case of failure of the particular module exam there is at least one possibility of repetition. The assessment is made according to § 16 section 1.
- e) In the case of an assessment by several examiners, the grade of the electronic examination results of the arithmetic average of the grades given by the two examiners. The announcement of the assessment is made within 8 weeks after the examination date. Within one month after the announcement of the assessment, the examinees must be given the opportunity to have access to their electronic assignments.

5. Portfolio

- a) In the portfolio examination-form, the candidate completes several tasks spread over one or more semesters in the form of write-ups of practical exercises, minutes, lectures, or other assignments that are related to several different module components belonging to a single module and courses.
- b) The individual components of the portfolio are evaluated and assessed by an examiner appointed in accordance with § 6. The grade awarded in accordance with § 16 covers all the assignments completed within the framework of the portfolio.
- c) The module descriptions may determine that the individual components of the portfolio undergo prior non-binding evaluation and assessment by the relevant instructor, who is appointed as an examiner for this purpose in accordance with § 6.
- d) The announcement of the assessment is made according to lit. b sentence 2 within 8 weeks after the examination date.
- e) If no provisions about the form, the allotted time and/or the documentation of the individual assignment are made in the module descriptions, the examinations committee will announce in due time, as a rule at the beginning of the teaching semester at the latest, the form and deadlines applicable to the individual portfolio assignments, how they are to be documented, and (where applicable) the form of prior assessment to be made by the instructor appointed to examine them.
- f) If an examination in the form of a portfolio has to be repeated, the examiner appointed for the overall evaluation and assessment will determine and put on file which individual components of the portfolio need not be repeated. These components must be resubmitted for the repeated overall evaluation and assessment.

§ 14

Credit points account and recording of credit points (CP)

- (1) The examination committee opens a credit point account for each candidate. The account records credit points gained and grades awarded for the module examinations and bachelor's thesis (§ 10 section 1). Students' individual performance is communicated by the examiners to the students in a form determined by the examinations committee, or communicated to the examinations committee. If organizationally possible, candidates can inspect their credit point accounts.
- (2) The entitlement to credit expires at the time when the candidate registers for the examination and thereby starts the examination procedure.
- (3) Credit points cannot be credited more than once onto the account towards the degree of Bachelor of Science within the degree programme Sustainable Chemistry.

§ 15

Bachelor's thesis

- (1) The bachelor's thesis is meant to determine that candidates are able to master their subject and to address a problem from that subject area independently and scientifically within a set time and to present the in an appropriate manner in terms of subject matter and linguistic expression. Prerequisite for the issue of the topic of the bachelor's thesis is the proof of at least 140 CP according to § 10. The bachelor's thesis must be written in English. Students are not entitled to write the thesis in another language.
- (2) The topic of the bachelor's thesis is set by the examiners appointed by the examinations committee in accordance with § 6 section 1. The thesis is supervised by these examiners. Candidates must be given an opportunity to suggest a topic for the bachelor's thesis. The candidate's suggestions should be taken into consideration if possible. However, the suggestions are not based on a claim.
- (3) The chairperson of the examinations committee will, upon application by the candidate, ensure that a topic is set in due time.
- (4) The topic for the bachelor's thesis is issued upon application by the candidate, by the chairperson of the examinations committee. The date of issue must be put on file.
- (5) The time allotted for the bachelor's thesis is 3 months. The topic and task must be set in such a way that the deadline can be kept. The topic can only be rejected once and only within the first 2 weeks of the allotted time. In exceptional cases and on reasonable application by the candidate, the examinations committee can extend the allotted time once by a period of up to 4 weeks.
- (6) In individual cases, the Examination Board may authorise the candidate to withdraw from the thesis in cases of particular hardship. A case of particular hardship is to be assumed in particular if the candidate provides evidence of being prevented from completing a thesis within the regular processing time because of exceptional, atypical individual special circumstances. In this case, the examination attempt is deemed not to have been attempted. Assuming that the candidate registers for a second examination attempt within the meaning of that provision, candidates will be set a new topic. The topic of the thesis is issued by the chairperson of the examination committee according to § 15 section 2 and 3.
- (7) When submitting their bachelor's thesis, candidates must provide written assurance that they have written the thesis independently themselves, using only the sources and aids documented therein; and they have indicated all quotations as such and has taken note of the provisions of section 8 on default, withdrawal, deception and infringement of regulations, in particular the possibility of permanent loss of the right to take the examination and permanent failure in the event of serious or repeated deception.
- (8) Three copies of the bachelor's thesis must be submitted to the examinations committee within the deadline; the date of submission must be put on record. In order to check for plagiarism, an electronic version of the thesis and of any empirical data used therein must be submitted along with the printed version, in a format to be agreed with the examinations committee, onto a data medium to be determined by the examinations committee. If the bachelor's thesis is not submitted within the deadline, it will be deemed failed (grade 5.0) in accordance with § 8 section 1 sentence 2.
- (9) The master's thesis must be evaluated and assessed by two examiners. One of the examiners should be the person who set the topic and supervised the thesis. The second examiner will be appointed by the chairperson of the examinations committee. The supervisor of the thesis may propose the second examiner. Each assessment must be executed in accordance with § 16 section 1, giving reasons in writing. Provided that the difference between the individual grades awarded is

not greater than 1.0, the grade awarded for the bachelor's thesis will be the arithmetic mean of the grades proposed by the individual examiners. If the difference is greater than 1.0, the examinations committee will appoint a third examiner to assess the thesis. In this case the grade awarded for the bachelor's thesis will be the arithmetic mean of the two better grades proposed. The bachelor's thesis can, however, only be deemed "passed" or better if at least two of the grades awarded are "passed" or better. If the final grade awarded for the thesis is not at least "passed", the candidate has failed and the bachelor's thesis must be repeated.

- (10) The bachelor's thesis can be repeated once. In this case candidates will be set a new topic. Rejection of the topic for the second bachelor's thesis within the deadline named in section 5 sentence 3 is, however, only permissible if candidates have not availed themselves of this opportunity when preparing their first bachelor's thesis.
- (11) The assessment of the bachelor's thesis must be communicated to candidates 6 weeks after submission of the thesis at the latest.
- (12) The workload of the final thesis is credited with 12 CP.

§ 16

Assessment grades & bachelor's examination

- (1) Grades for individual elements of the examination will be awarded by the examiner in charge. The following grades are awarded:

1 = excellent	= an outstanding performance;
2 = good	= a performance considerably above average requirements;
3 = satisfactory	= a performance that meets average requirements;
4 = passed	= a performance that despite its shortcomings still meets requirements;
5 = failed	= a performance that because of serious shortcomings no longer meets requirements.

In order to achieve a more differentiated assessment of examination performance, intermediate grades can be awarded by raising or lowering the individual grades by a ratio of 0.3. However, the grades 0.7, 4.3, 4.7 and 5.3 are not permissible.

- (2) The module grade will be the arithmetic means of the module grades and the CP assigned to the graded individual examination results unless otherwise agreed in the module description. The module grades are as follows:

average grade up to 1.5	= excellent
average grade greater than 1.5 through 2.5	= good;
average grade greater than 2.5 through 3.5	= satisfactory;
average grade greater than 3.5 through 4.0	= passed,
average grade greater than 4.0	= failed.

When calculating a module grade, only the first decimal place after the comma is taken into account; all other places will be deleted without rounding.

- (3) The final grade of the bachelor's examination is the arithmetic mean of the modules together with the grade of the bachelor's thesis weighted according to credit points. In calculating the overall grade, only the first decimal place is taken into account; all further decimal places are ignored without rounding up or down. The final grade of the successful bachelor's examination is as follows:

average up to 1.5	= excellent;
average grade greater than 1.5 through 2.5	= good;
average grade greater than 2.5 through 3.5	= satisfactory;
average grade greater than 3.5 through 4.	= passed.
- (4) If the bachelor's thesis is assessed with the grade 1.0 and the average of all other grades of the bachelor's examination is not worse than 1.3, the overall assessment awarded will be "passed with distinction" instead of "excellent" as indicated in section 3.

§ 17

Supplementary credits

- (1) Candidates can complete more modules than those mandatory.
- (2) Supplementary credits can be gained by successfully completing extra modules of this bachelor's degree programme. Successfully completed modules of other degree programmes can only be counted as supplementary credits with the agreement of the examinations committee. Supplementary credits will be entered on the examination certificate upon application. These supplementary credit points and grades will not be counted in the calculation of the overall grade of the bachelor's examination.

§ 18

Examination certificate

- (1) A certificate testifying passed bachelor's examination and indicating the individual module grades, the overall grade, the grade and topic of the bachelor's thesis will be issued without delay and, if possible, within four weeks of the allocation of the final credit points. Supplementary credits (where accepted), as well as the time taken to complete the degree programme up to and including the bachelor's examination can also be indicated on the certificate upon application by the candidate. The certificate must be signed by the chairperson of the examinations committee. The certificate will be dated to the day on which the last credit points were gained.
- (2) If the bachelor's examination is, or is deemed to be definitively failed, the chairperson of the examinations committee will notify the candidate of this in writing.
- (3) Notification of definitive failure of the bachelor's examination must be accompanied by an advice on applicable legal remedies.
- (4) Candidates who fail the bachelor's examination will, upon application and submission of relevant proof, be provided with a written document that indicates their examination performance, grades and number of examination attempts as well as the credit points still required to pass the bachelor's examination, and also makes clear that they have not passed the bachelor's examination.

§ 19

Bachelor's degree certificate

- (1) At the same time, and bearing the same date as the examination certificate, candidates will be given their bachelor's degree certificate. This formally attests the award of the bachelor's degree in accordance with § 2.
- (2) The bachelor's degree certificate will be signed by the dean of the School of Mathematics and Natural Sciences and the chairperson of the examination committee, and will bear the school seal.
- (3) The University of Wuppertal issues a Diploma Supplement (DS) in accordance with the "Diploma Supplement Model" of the European Commission, the Council of Europe and UNESCO/CEPES. The presentation of the national educational system (DS section 8) follows the text agreed by the Standing Conference of Ministers of Education and Cultural Affairs and the University Rectors' Conference in its currently valid form. In addition to the Diploma Supplement, the University of Wuppertal will provide English translations of the examination and bachelor's degree certificates upon application by the candidate.
- (4) The grade distribution table of the study programme Sustainable Chemistry with the degree Bachelor of Science is presented in a table format according to the specifications of the ECTS guide in the currently valid version.

III. Final regulations

§ 20

Invalidity of the bachelor's examination, revocation of bachelor's degree

- (1) If a candidate has cheated in obtaining the CP and this fact only becomes known after the certificate has been issued, the examination board can subsequently correct the grades for those performances in which cheating occurred and declare the examination failed in whole or in part.
- (2) If the requirements for admission to the acquisition of CPs were not fulfilled without the candidate intending to deceive, and if this fact only becomes known after the certificate has been issued, this defect is remedied by the successful acquisition of the CPs. If the candidate has intentionally obtained admission unlawfully, the examination board shall decide on the legal consequences in compliance with the Administrative Procedure Act for the State of North Rhine-Westphalia.
- (3) Before a decision is taken, the parties concerned shall be given the opportunity to comment.
- (4) The incorrect certificate shall be withdrawn and, if necessary, a new certificate shall be issued. A decision in accordance with paragraph 1 and paragraph 2 sentence 2 is excluded after a period of three years after the certificate was issued.
- (5) If the examination as a whole has been declared failed, the Bachelor's degree shall be withdrawn and the Bachelor's certificate confiscated.

§ 21

Inspection of the examination files

After individual examinations, students may inspect their examination scripts, evaluations and assessments upon application which has to be put forward within one month of the announcement of the examination results. Details are regulated by the examinations committee.

§ 22

Promulgation and publication

These examination regulations come into force on the day after their publication in the Official Announcements as the Official Gazette of the University of Wuppertal.

Executed in accordance with the resolution of the Faculty Board of the School of Mathematics and Natural Sciences dated **TT.MM.JJJJ**.

Dated Wuppertal,
TT.MM.JJJJ

The Rector
of the University of Wuppertal
Professor Dr Birgitta Wolff