



Universiteit Leiden

Faculty of Science

Course and Examination Regulations

Bachelor's Programmes

Valid from 1 September 2026

These Course and Examination Regulations (henceforth the OER) have been drawn up in accordance with the Higher Education and Research Act [Wet op het hoger onderwijs en wetenschappelijk onderzoek; WHW] (henceforth the Act) and the following Leiden University regulations:

- the Regulation on the Binding Study Advice;
- the Leiden Register of Study Programmes Framework Document;
- the Academic Calendar;
- the Regulations for Student Registration, Tuition Fees and Examination Fees.
- [the Online Proctoring Protocol](#)
- [the Guidelines for Elective Credits and Minors](#)

The model OER are laid down in Dutch and then translated into English. In the event that there are differences between the two versions, the Dutch version will prevail.

Pursuant to Article 7.14 of the Act, the Faculty Board regularly evaluates the OER and considers, for the purpose of monitoring and adjusting the study load, how much time it takes students to comply with them. In accordance with Article 9.18 of the Act, the Programme Committee is assigned the task of annually assessing the implementation of the OER.

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Chapter 1 General Provisions

Article 1.1 Scope of the regulations

These regulations apply to the teaching and examinations of the Bachelor's programme(s)

- a. Bio-Pharmaceutical Sciences (Bio-Farmaceutische Wetenschappen);
- b. Biology (Biologie);
- c. Data Science and Artificial Intelligence;
- d. Computer Science (Informatica);
- e. Physics (Natuurkunde);
- f. Astronomy (Sterrenkunde);
- g. Mathematics (Wiskunde);
- h. Science for Sustainable Societies

henceforth referred to as the programme.

These regulations also apply to the teaching of minor programmes within the Faculty of Science at Leiden University:

- a. Artificial Intelligence & Business;
- b. Biodiversity and the Anthropocene;
- c. Cyber Security Governance Essentials;
- d. Data Science and Artificial Intelligence;
- e. Disease, Signaling and Drug Targets;
- f. Human Evolution;
- g. Modern Drug Discovery;
- h. Molecular Biotechnology;
- i. De Mysterieuze Realiteit: quantummechanica, oerknal en relativiteitstheorie ontrafeld voor iedereen
- j. Network Science for a Connected World;
- k. Our Universe;
- l. Quantitative Biology;
- m. Space Data Science for Climate & Biosphere
- n. Sustainable Development;

henceforth referred to as the minors.

The programmes and minors are instituted in the Faculty of Science of Leiden University, henceforth referred to as the Faculty. Appendix 1 specifies where the programme is provided and by which institutes the programme is taught.

Article 1.2 Definitions

In these regulations the following definitions apply:

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| a. Board of Examiners | The Board of Examiners for the programme, established and appointed by the Faculty Board in accordance with Article 7.12a of the Act; |
| b. Calendar day | a period of 24 hours beginning at midnight and indicated by a date on the calendar, including all days, such as working days, weekends, recognised public holidays and mandatory closing days; |
| c. Component | One of the courses or practical assignments of the programme, as referred to in Article 7.3 of the Act. The study load of each component is expressed in whole credits. Each component is concluded with an examination; |

d. Credit	The unit in EC that expresses the study load of a component as referred to in the Act. According to the ECTS, one credit equals 28 hours of study;
e. EC(TS)	European Credit (Transfer System);
f. Education Administration Office	The office in the faculty where students can go for information and to register for courses (Science Student Administration);
g. Prospectus	The digital prospectus containing specific and binding information about the programme: http://studiegids.universiteitleiden.nl/ . The Prospectus constitutes an integral part of these regulations, and is included as an appendix;
h. Degree classification	Further degree classification by the Board of Examiners; A digital environment, such as Brightspace, in which students can work together, communicate and learn;
i. Digital teaching environment	The digital enrolment protocol containing specific and binding information concerning enrolment in components, examinations, and final examinations.
j. Enrolment protocol	The enrolment protocol constitutes an integral part of these regulations, and is included as an appendix.
k. Examination (<i>tentamen</i>)	An inspection of the knowledge, understanding and skills of the student with respect to a particular component, and an assessment thereof (in accordance with Article 7.10 of the Act). The assessment can take place in written form, orally as well as digitally, or a combination of these methods. An examination may consist of several constituent examinations. Credits are only awarded for examinations passed. The inspection is conducted according to the method determined by the Board of the Examiners to assure the quality of examinations and final examinations;
l. Examiner	The person appointed by the Board of Examiners to conduct examinations, in accordance with Article 7.12c of the Act;
m. Final examination (<i>examen</i>)	The examinations associated with the components belonging to the programme or the propaedeutic phase of the programme, including an investigation to be carried out by the Board of Examiners itself, as referred to in Article 7.10 (2) of the Act;
n. First/second examiner	The first or second examiner to read and assess the thesis/final paper/final report/final programme assignment. The first examiner is also the supervisor;
o. Language of instruction	The language of a programme, in which lectures and tutorials are given and examinations and final examinations are held
p. Leiden Register of Study Programmes	Register of the programmes offered by Leiden University, maintained under the supervision of the Executive Board, as referred to in Article 7 of the Management and Administration Regulations;

q. Level	The level of a component according to the abstract structure as defined in the Leiden Register of Study Programmes Framework Document; ¹
r. Nominal duration of study	The study load in years of study as established in the Central Register of Higher Education Programmes;
s. Portfolio	A monitoring and assessment file with which students (1) demonstrate that they have achieved a sufficient level of academic education to be awarded the degree, (2) record their personal process of academic learning during the programme, and (3) receive appropriate supervision and study advice;
t. Practical assignment	A practical assignment that contributes to an examination or final examination, as referred to in Article 7.13 (2) (d), of the Act, and takes one of the following forms: - writing a thesis/final paper/final report/final programme assignment, - writing a paper or creating an artistic work, - carrying out a research assignment, - participating in fieldwork or an excursion, - completing an internship, or - participating in another educational activity aimed at acquiring particular skills;
u. Pre-University College	A teaching programme offered by Leiden University to selected pupils in the fifth and sixth grades of secondary (pre-university) education (VWO);
v. Programme	The programme to which the OER relates: a coherent set of components, aimed at achieving clearly defined objectives relating to the knowledge, understanding and skills that a graduate of the programme is expected to have acquired. Each programme is concluded with a final examination;
w. Programme committee	The programme committee of the programme established and appointed by the faculty board in accordance with article 10.3c of the Act;
x. Propaedeuse	The first year of the programme and the part of the programme defined in Article 7.8 of the Act. This phase is concluded with an examination, unless the Faculty determines otherwise in these regulations;
y. Student	A person enrolled at Leiden University in order to follow the courses, and/or sit the examinations and final examinations of the programme;
z. The Act	The Higher Education and Research Act [<i>Wet op het hoger onderwijs en wetenschappelijk onderzoek</i> , WHW];
aa. Working day	Monday to Friday, excluding public holidays and the compulsory closure days specified by the Executive Board;

All other terms have the meaning ascribed to them by the Act.

¹[Leiden Register of Study Programmes](#)

Article 1.3 **Codes of conduct**

1.3.1 The Leiden University Code of Conduct on Standards of Behaviour between Lecturers and Students is applicable.² The aim of this code is to create a framework for a good, safe and stimulating work and study environment within Leiden University, in which teachers and students respect each other and in which mutual acceptance and trust are important values.

1.3.2 The Code of Conduct on Remote Teaching applies;³ this provides guidelines for teaching and learning in digital environments, remote environments or any form of teaching that is primarily dependent on IT services.

1.3.3 The Leiden University Regulations on ICT and Internet Use are also applicable.⁴ These regulations define what is considered appropriate use of ICT and internet and how usage checks will be made. They also explain which conduct is not tolerated and the consequences that apply.

Chapter 2 **Description of the Programme**

Article 2.1 **Objectives of the programme**

The programme has the following objectives::

To impart sufficient knowledge, understanding and skills as to enable the graduate to contribute, under supervision, at an academic level and in an original manner to recognizing, coming up with and solving issues in an area of (technical) natural sciences and to be able to follow a master's degree within the discipline and its adjacent areas.

In terms of structure, final qualifications and other quality marks the programme meets the provisions of [“The Leiden University Register of Study Programmes”](#).

Article 2.2 **Specialisations**

If the bachelor's degree program has more than one specialization, these are listed in appendix 1.

Article 2.3 **Learning outcomes**

Graduates of the programme have attained the following learning outcomes, listed according to the Dublin descriptors:

1. knowledge of and insight into the core subjects, current concepts and methods of the chosen discipline;
2. the ability to independently delve further into relevant topics and to acquire the necessary skills for a follow-up study that maybe be largely autonomous;
3. sufficient theoretical and practical skills in the area of the discipline such that they can carry out research under (strict) supervision;
4. the ability to think critically, to abstract and to analyse a scientific problem;

²[Leiden University Code of Conduct on Standards of Behaviour between Lecturers and Students](#)

³[Code of Conduct on Remote Teaching](#)

⁴[Leiden University Regulations on ICT and Internet Use](#)

5. insight into the methods in which common hypotheses can be tested through experiments, and how acquired knowledge can lead to the development of theories;
6. insight into the position of various subfields within the discipline as a whole and their relationship to adjacent scientific field;
7. the ability to communicate with colleagues about research results;
8. sufficient knowledge and understanding of the social role of the natural sciences to be able to reflect on scientific and societal problems on the basis of acquired knowledge and insight.

When the above generic learning outcomes have been further specified for a specific programme, these are included in the programme specific learning outcomes in appendix 1.

Article 2.4 **Structure of the programme**

The bachelor's programmes of the Faculty of Science are offered full-time. The nominal duration of the full-time programme is 3 years.

The programmes listed below are also offered part-time:

- Physics (Natuurkunde)
- Mathematics (Wiskunde)

The aforementioned part-time programmes are offered as a daytime/evening programme. The nominal duration of the part-time study programmes is determined in an individual study plan.

Students who entered the part-time variant of the bachelor's degree program in Computer Science up to and including 2019-20 may complete their bachelor's programme with a part-time enrollment.

Article 2.5 **Study load**

The programme has a study load of 180 credits. The propaedeuse has a study load of 60 credits and forms an integral part of the programme.

Article 2.6 **Start of the programme; uniform structure of the academic year**

The programme starts on 1 September. In terms of regular courses, the programme is based on the university semester system and comprises 42 teaching weeks.

Article 2.7 **Minors, educational modules and Honours education**

2.7.1 The following minors are offered, which are the responsibility of the Board(s) of Examiners listed below:

- The Board of Examiners Bio-Pharmaceutical Sciences
 - Minor Modern Drug Discovery
 - Minor Disease, Signaling and Drug Targets
- The Board of Examiners Biology
 - Minor Biodiversity and the Anthropocene
 - Minor Molecular Biotechnology
 - Minor Human Evolution
- The Board of Examiners Physics
 - De Mysterieuze Realiteit; quantummechanica, oerknal en relativiteitstheorie ontrafeld voor iedereen
- The Board of Examiners Science for Sustainable Societies
 - Minor Sustainable Development
- The Board of Examiners Computer Science (Informatica)

- Minor Data Science and Artificial Intelligence
- Minor Science, Business and Innovation
- Minor Cyber Security Governance Essentials
- The Board of Examiners bachelor Life Science and Technology
 - Minor Sustainable Chemistry and Biotechnology
- The Board of Examiners Mathematics
 - Minor Quantitative Biology
- The Board of Examiners Astronomy
 - Minor Our Universe

2.7.2 The description of the components belonging to a particular minor can be found in the Prospectus. The Prospectus also specifies which examiners are authorised to examine the minor.

2.7.3 The educational minors and educational modules are the responsibility of the ICLON Board of Examiners.

2.7.4 Components that are offered in the context of the Honours tracks are the responsibility of the Honours Academy Board of Examiners. Components that are offered in the context of the Honours Academy Beta and Life Sciences are the responsibility of the HC Beta and Life Science Board of Examiners.⁵

Article 2.8 **Final examinations of the programme**

2.8.1 The following final examination(s) can be taken within the programme:

- a. the final examination for the bachelor's programme

If the programme has a propaedeutic examination, students may only sit the final examination for the programme once they have passed the propaedeutic examination.

Article 2.9 **Language of instruction**

2.9.1 Subject to the Code of Conduct on the Language of Instruction and Examination⁶ the language(s) in which the instruction is given are Dutch and in appropriate cases English. The language of instruction and examination of the Bachelor's programmes Data Science & Artificial Intelligence, and Science for Sustainable Societies is English. Students are expected to have an adequate command of the language(s) of instruction used in the programme, in accordance with the requirements stated in Article 5.2.4. As appropriate, the Faculty publishes the OER in English for English-taught programmes.

2.9.2 Contrary to Article 2.9.1, in individual cases the Board of Examiners can permit the student to write the final thesis in another language, in accordance with the Guideline on Language Policy.⁷

⁵ The rules and guidelines of this Board of Examiners can be accessed at:
https://www.organisatiegids.universiteitleiden.nl/en/regulations/honours-academy/rules-and-regulations-board-of-examiners-honours-academy?_ga=2.157875258.1677112278.1609835702-1350229663.1597914759

⁶ [Code of Conduct on Language of Instruction, Article 3.](#)

⁷ [Guideline on Language Policy](#)

Article 2.10 **Quality**

The programme is accredited by NVAO⁸ and meets the national and international quality requirements for degree programmes. The programme's teaching also meets the quality standards for teaching set out in the Leiden Register of Study Programmes Framework Document.

Chapter 3 **Curriculum**

Article 3.0 **Exceptions due to *force majeure* situations**

3.0.1 If it is not possible, due to a crisis or other *force majeure* circumstances, to provide or take part in components as set out in the OER or the Prospectus, changes will be announced by the authorised body in due time. Such changes will be announced in any case in Brightspace, or alternatively a statement will be made in Brightspace regarding which other medium will be used to communicate about this. A crisis is understood to mean a crisis as defined in Article 1 of the Leiden University Regulations on Crisis Management Coordination.

Article 3.1 **Compulsory components**

3.1.1 The programme includes compulsory components as specified in appendix 1. These compulsory components include the set components from which students are obliged to choose.

3.1.2 In addition to the components referred to in 3.1.1, students select components worth a total study load as specified in Appendix 1 credits from those on offer within their own programme or discipline.

3.1.3 The Prospectus further specifies the actual structure of the programme, i.e. the study load, level,⁹ content, method of examination and structure of the components of the curriculum.

Article 3.2 **Optional components**

3.2.1 In addition to the components referred to in 3.1.1 and 3.1.2, the programme gives students a choice of optional subjects worth a total study load as specified in Appendix 1 (a maximum of 30 and a minimum of 15 credits in total).

3.2.2 Students opting for a minor *without* selection requirements are obliged to *enroll* for the minor of their choice. Students opting for a minor *with* selection requirements are obliged to *apply* for the minor of their choice. The method and timing of enrolment or application are according to the Guidelines for Elective Credits and Minors which can be found on the Leiden University website.¹⁰

⁸ [The Accreditation Organisation of the Netherlands and Flanders.](#)

⁹ [In accordance with the 'abstract structure', as specified in the Leiden Register of Study Programmes Framework Document.](#)

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https://www.organisatiegids.universiteitleiden.nl/binaries/content/assets/ul2staff/organisatiegids/reglementen/keuzer_uimte-en-minorstelsel-2023-2024.pdf

3.2.3 The Board of Examiners must approve the student's selection of components. The Board of Examiners bases its evaluation of the student's selection solely on the level of the components selected. The approval of the Board of Examiners is not required for minor programmes with a study load of 30 credits that are recognised as such by Leiden University nor for the minors recognised by Delft University of Technology and Erasmus University Rotterdam.

3.2.4 In addition to the components taught at this university, and subject to the approval of the Board of Examiners, students may also select components offered by other Dutch or foreign universities, or components offered by another legal entity offering accredited undergraduate higher education programmes.

3.2.5 Students may not use components that they follow within the scope of the Honours College as optional components.

3.2.6 Students who are enrolled in the programme may decide themselves which components they use as optional components, as long as the level is sufficiently high. However, there may not be any overlap between the components used as optional components that count towards graduation and the components that are included in the programme's compulsory curriculum.

3.2.7 Students who are enrolled in the programme may assemble their own curriculum of components that are taught by an institution, as long as these are concluded with a final examination. They will require the permission of the most appropriate Board of Examiners. When granting such permission, the Board of Examiners also indicates to which University programme the curriculum is considered to belong.¹¹ If necessary, the Executive Board designates a Board of Examiners to take this decision.

3.2.8 Students who have obtained a university bachelor's or master's degree, and who meet the requirements set for sufficiently related subjects, may be enrolled for the exclusive purpose of following and completing an educational module in order to obtain a 'limited level-two' teaching qualification.

Article 3.3 **Practical assignments**

3.3.1 For each component, the Prospectus specifies which practical assignments are included, the nature and scope of the student's workload for these practical assignments and whether participation in these is a condition of entry to the (other parts of) examination for the component. The Board of Examiners may exempt students from a practical assignment, in which case the Board can choose to apply alternative conditions.

3.3.2 The Prospectus specifies the scope and study load of the thesis/final paper/final report/final programme assignment, and the requirements that the thesis/final paper/final report/final programme assignment must meet.

3.3.3 The Board of Examiners must grant prior approval if (part of a) practical exercise is performed externally; the Examination Board will then also determine which examiner will maintain contact with the external supervisor.

Article 3.4 **Sitting examinations and taking part in components**

3.4.1 Taking part in components

3.4.1.1 Students must register for the component according to the applicable protocol.¹² This means that students register for a component in MyStudymap, ticking the activities in which they want to participate (lecture, tutorial,

¹¹ In accordance with Article 7.3j of the Act ('free curriculum in higher education').

¹² [Course and examination enrolment – Leiden University](#).

practical assignment and examination). Registration is possible until no later than five calendar days before the start of the component. For some components, the term stipulated in the component's description in the Prospectus and in Article 3.4.1.3 applies. A different term applies for registration for the examination, as stipulated in Article 3.4.2.

3.4.1.2 Within the meaning of Article 3.4.1.1, first-year bachelor's students are automatically assigned to and enrolled for all components of the first semester, including the examination, by the Education Administration Office of their programme.

3.4.1.3 In the case of a component with restrictions on the number of participants, participation takes place in order of enrolment. For students enrolled in the programme, timely enrolment guarantees placement in the components that form part of the mandatory curriculum of the programme.

3.4.1.4 Contrary to Article 3.4.1.1, a different enrolment period (fourteen or twenty-eight calendar days) may apply to certain components, if approved by the Faculty Board. The relevant components and the corresponding enrolment term can be found in the Prospectus.

3.4.1.5 Students who have not enrolled on time can report to the Education Administration Office of the faculty of which the study programme is part. The relevant enrolment protocol specifies the circumstances on the basis of which students may be enrolled contrary to Article 3.4.1.1.

3.4.2 Sitting examinations and constituent examinations

3.4.2.1 In order to sit the examination or constituent examination, students are required to register **no later than ten calendar days** before the start of the examination or constituent examination.

3.4.2.2 In order to take the resit of the same component in the current academic year, students are required to register **no later than five calendar days** before the start of the examination or constituent examination. This term also applies for the situation referred to in Article 4.6.2.

3.4.2.3 Students who have not registered for an examination on time according to the applicable enrolment protocol may report to the Education Administration Office of the faculty of which the programme forms part. The relevant enrolment protocol specifies the circumstances on the basis of which students may be registered contrary to Articles 3.4.2.1 and 3.4.2.2.

Article 3.5 Distribution of study materials

3.5.1 Students are not permitted to take photographs or make audio or video recordings of lectures or education-related meetings, including the feedback sessions after examinations (including examinations assignments and model answers), without the explicit prior permission of the relevant lecturer. Should such permission be granted, students are only legally permitted to use the photograph or recording for their own use; all forms of distribution or publication of the photograph or recording are prohibited. A student has no independent control over these materials, unless the University has explicitly granted this to the student.

3.5.2 Students are prohibited from all forms of distribution or publication of study materials. The materials are for students' own use only.

3.5.3 Students are prohibited from infringing the intellectual property rights of the University, third parties or the person with whom licensing agreements were made.

3.5.4 The institute can make video recordings of a lecture or a lecture series and provide these to students of the institute to support them in their studies. The lecturer will notify students that are present at the beginning of the lecture that video recordings will be made. These video recordings are for student's own use only and may not be distributed in whole or in part or used for any other purpose in any way. The fact that video recordings have been made or will be made does not absolve students from any rules regarding the requirement of their presence.

Chapter 4 Examinations and Final Examinations

Article 4.0 Exceptions due to *force majeure* situations

4.0.1 If it is not possible, due to a crisis or other *force majeure* circumstances, to offer examinations and final examinations in the form and at the point in time set out in the OER or the Prospectus, changes will be announced by the authorised body in due time. Such changes will be announced in any case in Brightspace, or alternatively a statement will be made in Brightspace regarding which other medium will be used to communicate about this. A crisis is understood to mean a crisis as defined in Article 1 of the Leiden University Regulations on Crisis Management Coordination.

Article 4.1 Frequency of examinations

4.1.1 Examinations are held twice during the academic year for each component offered in that academic year. The Board of Examiners determines the manner of resit for practical assignments.

4.1.2 The Faculty Board is responsible for the practical organisation of the examinations and final examinations, and ensures, if necessary by means of invigilation, that the examinations and final examinations proceed properly. If online proctoring is used, this is done according to [the Online Proctoring Protocol](#).

4.1.3 If a component includes a practical assignment, students may only sit the examination as referred to in 4.1.1 if they have passed the practical assignment, unless the Board of Examiners decides otherwise.

4.1.4 If the grade for a component results from several constituent examinations, it is possible to vary from the number of examinations and resits as referred to in 4.1.1, on the understanding that students are given the opportunity during the second exam opportunity to pass the component by taking an examination that is representative of the component. If applicable, this is specified in the Prospectus.

4.1.5 In accordance with Article 7.13 (2) (h) of the Act, the Prospectus specifies the dates of the examinations.

4.1.6 At a student's request the Board of Examiners may in exceptional circumstances diverge from the provisions of Article 4.1.1 and allow an additional resit.

4.1.7 During a bachelor's programme, students may resit one examination that they passed. The Board of Examiners may diverge from this stipulation in exceptional, individual cases and at the student's request. A resit of an examination that was passed can only take place in the same academic year as the original examination. In the event of such a one-time resit, the highest result obtained applies.

The examination referred to in the first sentence may consist of a number of constituent examinations. Registration for this examination should take place in accordance with Articles 3.4.1.1 and 3.4.2.2.

4.1.8 The following are excluded from the resit option as referred to in Article 4.1.7:

- Oral examinations
- Practical assignments
- Minors or components thereof, according to the recognised selection of minors included in the Prospectus
- Examinations that the student passed at a different institution than Leiden University

4.1.9 If a component is included in multiple programmes, the student is only granted one opportunity to resit an examination that they previously passed for this component.

Article 4.2 **Obligatory sequence**

4.2.1 The Prospectus specifies the sequence in which examinations must be taken. Students may only sit examinations that are subject to a compulsory sequence once they have passed the examinations for one or more other components.

4.2.2 For the components and their attendant examinations which must be completed in a given sequence, the Board of Examiners may in special cases, and following a substantiated written request by the student, agree to an alternative sequence.

Article 4.3 **Form of examination**

4.3.1 The Prospectus states the method of examination. It indicates whether the examination or constituent examinations for a component take the form of a written, digital or oral examination, or a combination of these, or is completed in another way. Established forms of examination may only be modified in exceptional cases by the Board of Examiners, in consultation with the examiner. Any changes must not affect the learning objectives of the course component.

4.3.2 The procedure during examinations and the guidelines and instructions, as referred to in Article 7.12b (1) (b) of the Act, for assessing and establishing the results of examinations and final examinations are described in the 'Rules and Regulations of the Board of Examiners'.

4.3.3 Students with a disability or chronic medical condition are given the opportunity to apply for individual examination arrangements adjusted to their particular disability or condition. These arrangements may not affect the quality or level of difficulty of the examination. If necessary, the Board of Examiners seeks expert advice, as referred to in the Protocol on Studying with a Disability,¹³ before reaching a decision.

4.3.4 In special cases, the Board of Examiners may, at the request of the student and within the scope of the OER, permit a student to sit an examination in another manner than specified in the Prospectus.

4.3.5 Examinations are held in the language(s) of instruction for the programme that is/are specified in the OER. At the request of the student, the Board of Examiners may permit a student to sit an examination in another language.

¹³ [Protocol on Studying with a Disability](#)

Article 4.4 **Oral examinations**

4.4.1 Students take oral examinations individually, unless the Board of Examiners decides otherwise.

4.4.2 Oral examinations are public, unless the Board of Examiners decides otherwise owing to special circumstances, or unless the student has reservations.

4.4.3 With the consent of the student an oral examination may be recorded by the examiner on video. This recording can be put forward to a second examiner for the purpose of grading the student.

Article 4.5 **Rules and Regulations of the Board of Examiners**

4.5.1 In accordance with Article 7.12b (3) of the Act, the Board of Examiners establishes rules concerning the performance of its tasks and responsibilities and the measures it can take in the event of fraud.

4.5.2 The Board of Examiners is responsible for ensuring that the right of students to appeal against decisions of the Board of Examiners or the examiners is guaranteed.

Article 4.6 **Assessment**

4.6.1 The examiner determines the grade as soon as possible after an oral examination has been conducted. The student receives a message about the grade via the University study progress system.

4.6.2 The examiner determines the grade of any written or other form of examination or constituent examination within fifteen working days of the day on which the examination or constituent examination was held. The result is notified to the student within the same fifteen working days. The final grade is recorded in the University progress system, and the student receives a message about it via that system. The student will be informed of the result at least five working days before the next opportunity to take a resit of the same examination. If this deadline is not met, the resit can be postponed. In any case, the Board of Examiners will be approached to, together with program management, come to an appropriate solution, for example, regarding the format and length of the examination.

4.6.3 If the examiner is unable to comply with the periods of fifteen and five working days respectively, as specified in Article 4.6.2, the student is notified accordingly in a message sent to the student's u-mail address before this term expires. This message includes the (latest) date by which the student will be informed of the result.

4.6.4 The examination result will be expressed as a whole number or a number to a maximum of one decimal place, between and including 1.0 and 10.0. The examination result is not expressed as a number between 5.0 and 6.0.

4.6.5 The examination result is considered to be a pass if it is 6.0 or higher [or in the case of the LUC: C- or higher].

4.6.6 If students must complete a practical assignment to be permitted to sit an examination, the Board of Examiners may decide that students have sat the examination once they have passed the practical assignment.

4.6.7 Together with the written or electronic notification of examination results, students are also informed of their right to inspect their graded examination papers, as referred to in Article 4.8, as well as of the appeals procedure.

4.6.8 The Board of Examiners may draw up rules that specify under which conditions it may exercise its power as specified in Article 7.12b (3) of the Act to determine that students do not have to pass every examination and/or under which conditions the results of constituent examinations can compensate for each other. These rules are specified in the Rules and Regulations of the Board of Examiners.

Article 4.7 **Period of validity of examinations**

4.7.1 The Faculty Board can limit the period of validity of an examination pass. The Board of Examiners may, however, extend the period of validity in individual cases. The period of validity of an examination pass can only be limited if the examined knowledge, understanding or skills are demonstrably outdated.

4.7.2 The Board of Examiners may, in accordance with the criteria specified in the Rules and Regulations and at the request of the student, extend the validity of examinations for a period to be specified by the Board itself. In the event of special circumstances in the sense of Article 7.51 (2) of the Act, the Board of Examiners shall act in accordance with the pertinent provisions in Article 7.10 (4) of the Act.

4.7.3 The validity period referred to in 4.7.1 starts on 1 September of the academic year following that in which the grade was obtained or the exemption granted.

Article 4.8 **Inspection and final feedback session**

4.8.1 Students are entitled to inspect and receive feedback on their graded examination within a maximum period of 30 calendar days following the publication of the results of a written or digital examination, and in any case before the takes place.

4.8.2 Within the period referred to in 4.8.1, students may inspect the examination questions and assignments, as well as the grading schemes used to grade the examination. Photographing or any other form of copying of the exam questions, answers and grading schemes is not permitted without the examiner's explicit approval.

4.8.3 The time and manner of the inspection and feedback session on the examination are specified in the Prospectus or in the digital teaching environment.

4.8.4 The Board of Examiners is authorised to decide whether the inspection of the examination papers and the feedback session are to be collective or individual.

4.8.5 The examiner determines where and when the inspection of the examination paper and the feedback session will take place.

4.8.6 At least five workdays before re-examination students will have an opportunity to inspect their exam.

4.8.7 Students who are unable to attend the inspection of the examination paper and the feedback session due to demonstrable circumstances beyond their control are granted another opportunity, if possible within the period referred to in 4.8.1.

Article 4.9 **Exemption from examinations and/or practical assignments**

4.9.1 At the student's request and after consultation with the examiner in question, the Board of Examiners may grant the student exemption from one or more examinations or practical assignments if the student:

- has completed a component at a research university or university of applied sciences that is similar in content and level to the component for which the student is requesting exemption, or
- has demonstrated, through relevant work or professional experience, that they have acquired sufficient skills and knowledge in relation to the component in question, or
- has passed Pre-University College, in which case, the Board of Examiners determines the component(s) for which the exemption is granted.

4.9.2 If the exemption concerns the components that belong to a minor, the Board of Examiners responsible first consults the Board of Examiners of the programme that provides the minor before deciding whether to grant an exemption.

Article 4.10 **Final examination**

4.10.1 The Board of Examiners awards a degree certificate when there is sufficient proof that the final examination has been passed.

4.10.2 As part of the final examination, the Board of Examiners is entitled to conduct its own evaluation of the knowledge, understanding and skills of the examination candidate and to assess the results.

4.10.3 The degree is only conferred once the Executive Board has declared that all procedural requirements (including the requirement to pay tuition fees) have been met. One degree certificate is awarded for each programme. The degree certificate states that the programme or specialisation was delivered by Leiden University

4.10.4 Pursuant to the regulations referred to in Article 7.11 (3) of the Act, a student who is entitled to graduate may ask the Board of Examiners to postpone graduation, as long as the student has not exceeded the maximum period of enrolment of four years for the programme in question.

4.10.5 This request must be submitted within five working days of the student receiving notification of his or her final examination results. In the request the student must indicate when they wish to receive the degree certificate.

4.10.6 The Board of Examiners may also approve the request if refusing it would result in a considerable injustice.

4.10.7 A supplement in Dutch and/or in English that conforms to the standard European Diploma Supplement format, including the grading table applicable for the degree programme, is attached to the degree certificate. In addition to the degree certificate, students are issued with a translation of the degree certificate and a certificate in Latin.

4.10.8 The graduation ceremony will take place at least two times per academic year.

4.10.9 At the student's request, the certificates for the propaedeutic diploma are issued by the student administration on behalf of the Examination Board to students who entered in 2019-20 or earlier and who have not subsequently been (temporarily) deregistered from the study programme.

Article 4.11 **The degree**

4.11.1 The degree of Bachelor of Science is awarded to those who have passed the final examination of the programme.

4.11.2 The degree certificate specifies which degree has been awarded.

Article 4.12 **Degree classification**

4.12.1 The student is awarded a degree classification for the final examination.

4.12.2 The degree classification is based on the weighted average of the grades obtained for all the examinations that form part of the final examination, with the exception of the examinations for which an exemption was granted or for examinations for which the student only obtained a proof of attendance. Components completed from other programmes, including components followed abroad, must be approved by the Board of Examiners.

4.12.3 The weighted average of all grades is determined by multiplying the number of ECTS credits for each component by the grade awarded for this component, adding these together and then dividing the result by the number of credits earned.

4.12.4 Without prejudice to the provisions of 4.12.6 and 4.12.7, the degree certificate and diploma supplement include the 'cum laude' classification if the following conditions are met for the full-time programmes:

For the Bachelor's final examination:

- the weighted average for all components is 8.00 or higher
- the grade for the final assignment of the bachelor's programme is 8.00 or higher
- the Bachelor's final examination was passed within four academic years
- all second- and third-year courses must have been completed with a minimum grade of 7.00
- the student has received a maximum of three retakes
- For the final project of a bachelor's program (practical work, report, and oral presentation), a minimum (average) of 8.00 was received;

If applicable to the propaedeutic examination:

- the weighted average for all components is 8.0 or higher
- the propaedeutic examination was passed within one year
-

The Board of Examiners sets corresponding conditions for part-time programmes, proportionate to the nominal duration of the study programme.

4.12.5 Without prejudice to the provisions of 4.12.6 and 4.12.7, the degree certificate and the diploma supplement include the 'summa cum laude' classification if the following conditions are met for the full-time programmes:

for the Bachelor's final examination:

- the weighted average for all components is 9.00 or higher
- the grade for the final assignment of the bachelor's programme is 9.00 or higher
- the Bachelor's final examination was passed within three academic years
- no more than 1 course from the first year has a passing grade lower than 8.00
- all second- and third-year courses have been passed with at least a 8.00
- the student has received a maximum of 3 retakes

If applicable for the propaedeutic examination:

- the weighted average for all components is 9.00 or higher
- the propaedeutic examination was passed within one year
-

The Board of Examiners sets corresponding conditions for part-time programmes, proportionate to the nominal duration of the study programme.

4.12.6 The Board of Examiners may also decide to award a distinction in other, exceptional cases, on the condition that the weighted average grade does not differ by more than 0.5 from the grades stipulated in the fourth and fifth paragraphs above. This may involve such considerations as the student's development throughout the study programme, any exceptional performances on the part of the student in completing the final paper or thesis and any other relevant exceptional circumstances.

4.12.7 If a student has been subject to a disciplinary measure as a result of irregularity, fraud or plagiarism, as set out in the Rules and Regulations, a distinction will not be awarded, unless the Board of Examiners decides otherwise.

Chapter 5 Admission to the programme for the academic year 2027-2028

Article 5.1 Direct admission

5.1.1 Direct admission to the programme is granted to those persons who meet the requirements set out in Articles 7.24 and 7.25 of the Act, subject to the proviso that, for the LUC and programmes with a fixed quota, the selection criteria and procedure as stated in Articles 5.3.2 and 5.3.3 apply.

5.1.2 The conditions for admission to the programme are established in the Regulations for Student Registration, Tuition Fees and Examination Fees of Leiden University.¹⁴

5.1.3 In certain cases as defined in the Act, the Executive Board may deny admission by virtue of its powers under Article 7.28 (1), second and third sentences, of the Act.

Article 5.2 Admission

5.2.1 Admission with propaedeuse from a university of applied sciences or associate degree

Pursuant to Article 7.28 (1a) of the Act, the following is required of the holder of an associate degree or the holder of a propaedeuse diploma from a university of applied sciences:

The student must demonstrate that they possess the knowledge, understanding and skills required to successfully complete the bachelor's programme. This can be demonstrated by means of the following:

Bio-Pharmaceutical Sciences

Pre-university education (VWO) certificates for Mathematics B, Physics, Chemistry and Biology

(Bio-Farmaceutische Wetenschappen)

A holder of a certificate of successfully completed propaedeutic exam in HBO Biology and Medical Laboratory Research or HBO Chemistry is also regarded as admissible with Senior general secondary education (HAVO) or pre-university education (VWO) certificates in Mathematics B, Physics, Chemistry and Biology.

¹⁴ [Regulations for Student Registration, Tuition Fees and Examination Fees of Leiden University](#)

Biology (Biologie)	Pre-university education (VWO) certificates for Mathematics A or B, Physics and Biology
Computer Science (Informatica)	Pre-university education (VWO) certificate for Mathematics B
Data Science and Artificial Intelligence	Pre-university education (VWO) certificate for Mathematics B
Physics (Natuurkunde)	A propaedeutic certificate of a science-oriented HBO and associate degree programme and pre-university education (VWO) certificates ¹⁵ for Mathematics B and Physics
Astronomy (Sterrenkunde)	A propaedeutic certificate of a science-oriented HBO and associate degree programme and pre-university education (VWO) certificates ¹⁶ for Mathematics B and Physics
Mathematics (Wiskunde)	Pre-university education (VWO) certificate for Mathematics B
Science for Sustainable Societies	Pre-university education (VWO) certificates for Mathematics A or B, and two of the following VWO certificates: Geography, Biology, Economics, Physics and/or Chemistry.

If the candidate does not have the above-mentioned VWO certificates, the admissions committee of the bachelor's degree program will assess whether the candidate has met the requirements in another way.

For English-taught bachelor's programmes, the student must meet the English language level that can be demonstrated with one of the following tests:

- IELTS 6.0, where each separate constituent score must be at least 6.0;
- TOEFL (internet-based) 80, where each separate constituent score must be at least 20.
- Cambridge English C2 Proficiency or C1 Advanced with an overall score of 180, where each separate constituent score must be at least 169;

At the time of applying for the programme, the test must have been taken no more than two calendar years previously.

5.2.2 Equivalent qualifications

A person who is not in possession of a pre-university (VWO) diploma awarded after 2007, may

- Be enrolled by virtue of the Act on the grounds of a different diploma (Article 7.28 of the Act), on condition that they meet all further previous education requirements.
- Be enrolled with an old-style pre-university (VWO) diploma, on condition that they meet all further previous education requirements.

If the person does not meet further previous education requirements, they may be required to take a test on the subjects referred to in Article 5.2.3.1 at the level of a final VWO examination for the profile that allows for direct admission.

5.2.3 Further prior education requirements and deficiencies

5.2.3.1 In accordance with the Regulations of the Minister of Education, Culture and Science of 3 April 2014, no. 540459 regarding admission to higher education, the following additional entry requirements apply:¹⁷

¹⁵ This includes the higher professional education and ad programmes that have been designated in the [RATHO](#) as programmes in the technology sector.

¹⁶ This includes the higher professional education and ad programmes that have been designated in the [RATHO](#) as programmes in the technology sector.

¹⁷ [Regulations of the Minister of Education, Culture and Science of 3 April 2014 pertaining to admission to higher education.](#)

Bio-Pharmaceutical Sciences (Bio-Farmaceutische Wetenschappen): VWO profile Nature and Technology with Biology, VWO profile Nature and Health with Mathematics B and Physics, or VWO profile Economics and Society with Biology, Physics, mathematics B and Chemistry.

Biology (Biologie): VWO profile Nature and Health with additional Physics or VWO profile Nature and Technology with Biology.

Computer Science (Informatica): VWO profile Nature and Technology or one of the other VWO profiles with Mathematics B.

Data Science and Artificial Intelligence: VWO profile Nature and Technology or one of the other VWO profiles with Mathematics B.

Physics (Natuurkunde): VWO profile Nature and Technology or one of the other VWO profiles with Mathematics B and Physics.

Astronomy (Sterrenkunde): VWO profile Nature and Technology or one of the other VWO profiles with Mathematics B and Physics.

Mathematics (Wiskunde): VWO profile Nature and Technology or one of the other VWO profiles with Mathematics B.

Science for Sustainable Societies: VWO profile Nature and Technology and VWO profile Nature and Health. VWO profile Economics and Society with the addition of one of the following courses: Geography, Biology, , Physics or Chemistry. VWO profile Culture and Society with Mathematics A or B and with the addition of two of the following courses: Geography, Biology, Economics, Physics or Chemistry.

5.2.3.2 The Board of Examiners will determine how these tests are conducted.

5.2.3.3 If students may start the programme before the deficiency has been removed, this must be stated here.

5.2.4 Dutch and English languages

5.2.4.1 (only applicable to Dutch-taught bachelor's programmes and specialisations)

Students meet the requirement of sufficient command of the Dutch language if they have one of the following diplomas or meet the following criteria:

- A study programme in pre-university or higher education diploma taught in Dutch;
- An International Baccalaureate (IB) Diploma with Dutch A or Dutch B HL;
- A successfully completed TUL examination level, organised by Leiden University, at level TUL-gevorderd for all programmes that are listed under article 1.1, except for Bio-Farmaceutische Wetenschappen; for this programme, TUL-halfgevorderd or Staatsexamen Nt2 Programma II applies.
- A Certificate Dutch as a Second Language (*Certificaat Nederlands als Vreemde Taal*) at *Educatief Startbekwaam* or *Educatief Professioneel* level

An International School diploma or a comparable international programme provided in the Netherlands is considered to be a diploma obtained outside the Netherlands.

5.2.4.2 The Board of Examiners may, in special cases, grant exemption from the examination referred to in 5.2.4.1

5.2.4.3 Applicable to English-taught bachelor's programmes and specialisations: Holders of a diploma obtained outside the Netherlands meet the requirement of a sufficient command of the English language if they have one of the following diplomas:

- An [International Baccalaureate](#) diploma from a programme taught in English (or an IB diploma with English A);
- A diploma of secondary (or higher) education completed in Australia, Canada (except for French-taught programmes in Canada), Germany, Ireland, Malta, New Zealand, Singapore, the United Kingdom, the United States or South Africa;

- A diploma of an English-taught academic education (WO) programme completed at a Dutch university;
- A diploma of an English-taught four-year higher professional education (HBO) programme completed at a Dutch university of applied sciences.

5.2.4.4 Applicable to English-taught bachelor's programmes and specialisations: Holders of a Dutch diploma meet the requirement of a sufficient command of the English language if they have a pre-university education (VWO) diploma.

5.2.4.5 Applicable to English-taught bachelor's programmes and specialisations: If the student does not meet the requirements in 5.2.4.3, the language level can be demonstrated with one of the following tests:

- IELTS 6.0, where each separate constituent score must be at least 6.0;
- TOEFL (internet-based) 80, where each separate constituent score must be at least 20.
- Cambridge English C2 Proficiency or C1 Advanced, where each separate constituent score must be at least 169.¹⁸

At the time of applying for the programme, the test must have been taken no more than two calendar years previously.

5.2.5 Entrance examination

The entrance examination as referred to in Article 7.29 of the Act applies to the following subjects at a level determined by the programme:

Subject	Level
• Dutch	6 vwo
• English	6 vwo
• Biology	6 vwo
• Physics	6 vwo
• Chemistry	6 vwo
• Mathematics A or B	6 vwo
• Economics	6 vwo
• Geography	6 vwo

Chapter 6 Student Counselling and Study Advice

Article 6.1 Study progress administration

6.1.1 The Student Science Administration keeps records of the results of individual students.

6.1.2 Students may inspect their results in the study progress system at any time.

6.1.3 From the second year of enrolment, the programme asks all students to submit an annual study plan, indicating the examinations they intend to take, and the extracurricular activities relevant to the programme or recognised by the Executive Board in which they intend to participate.

¹⁸ [See also the comparison table: english-test-equivalencies.pdf \(universiteitleiden.nl\)](#)

Article 6.2 **Introduction and student counselling**

As referred to in the Leiden University Regulation on the Binding Study Advice, the programme must provide an introduction and counselling for all students who are enrolled in the programme, in order to familiarise them with their study options in the programme and elsewhere and to facilitate their progress in their studies.¹⁹

Article 6.3 **Study advice**

6.3.1 In their first year of enrolment, all students are provided with advice on the continuation of their studies. The Board of Examiners is mandated by the Faculty Board to issue this study advice. For information on the requirements, the number of times and the occasion when the advice is issued, and the possible consequences of this advice, see the Leiden University Regulation on the Binding Study Advice that applies to the academic year in question, as well as 6.3.2.

6.3.2 The following programmes impose additional requirements concerning components that students must pass in order to obtain a positive binding study advice as referred to in 6.3.1:

Programme	Additional requirements:
Bio-Farmaceutische Wetenschappen	At least one of the following components: Bioanalyse van Geneesmiddelen, Biochemie 1 Practicum or Organische Chemie Practicum.

6.3.3 A binding negative study advice with refusal only applies to the programme and associated specialisations in which the student is enrolled. The binding study advice also applies to any bachelor's programme which shares the propaedeuse with the programme.

6.3.4 Students may request an oral explanation of the study advice as well as information on continuation of their studies within or outside the Faculty and on any other possible education options.

Article 6.4 **Supervision of the thesis/final paper/final report/final programme assignment**

6.4.1 Together with the first reader, the student draws up a plan for the thesis/final paper/final report/final programme assignment, as referred to in 3.3.2. This plan is based on the study load for this component as specified in the Prospectus.

6.4.2 The plan referred to in 6.4.1 also specifies the frequency and manner of supervision.

Article 6.5 **Top-level sport and other cultural or societal activities**

6.5.1 Students who engage in top-level sport are given the opportunity to adjust their study programme to their sporting activities wherever possible. The programme determines who falls within this category in line with the guidelines set out in Section III of the [Regulations on Financial Support for Students](#), drawn up by the Executive Board.

¹⁹ [Leiden University Regulation on the Binding Study Advice](#)

6.5.2 Students who contribute to cultural or social activities that, in the opinion of the Faculty Board, are of equal importance as the activities referred to in 6.5.1, are offered the opportunity to adjust their study programmes to their activities wherever possible.

Article 6.6 **Disability or chronic medical condition**

Where possible, students with a disability or chronic medical condition are given the opportunity to adjust their study programme to the limitations resulting from their disability or chronic medical condition.²⁰ The study programme can be adjusted to the individual disability or chronic medical condition of the student in question, but this must not affect the quality or level of difficulty of the components or the final examination curriculum itself.

Article 6.7 **Study and internships abroad**

Special measures will be taken for students who suffer from a demonstrable delay in their studies as a result of study or an internship abroad that has been approved by the Board of Examiners, in order to limit the delay.

Chapter 7 Evaluation of the Programme

Article 7.1 **Evaluation of the programme**

The education in the programme is evaluated as follows:

- (course evaluations)
- (programme evaluation)

The Programme Board/Programme Director will inform the Programme Committee about the outcomes of the evaluation.

Chapter 8 Final Provisions

Article 8.1 **Amendments**

8.1.1 Amendments to these regulations are adopted by a separate order of the Faculty Board with the prior consent of the Faculty Council or the Programme Committee, depending on the topics concerned.

8.1.2 Amendments to these regulations that apply to a particular academic year must be adopted before the start of that year and published in the prescribed manner, unless earlier implementation of an amendment to the regulations is strictly necessary and, in all reasonableness, does not harm the students' interests.

8.1.3 Amendments to these regulations may not adversely affect any prior decision pertaining to students taken by the Board of Examiners on the basis of these regulations.

²⁰ <https://www.organisatiegids.universiteitleid.nl/en/regulations/general/protocol-studying-with-a-disability>

Article 8.2 **Publication**

The Faculty Board or Programme Board is responsible for publishing these regulations, the Rules and Regulations established by the Board of Examiners, and any amendments to these documents, via the University website.

Article 8.3 **Term of application**

The Course and Examination Regulations apply for the duration of one academic year.

Article 8.4 **Entry into force**

These regulations enter into force on 1 September 2026.