



# **Teaching and Examination Regulations**

**2015-2016**

## **Bachelor's degree programmes in**

**Biology  
Pharmacy  
Computing Science  
Life Sciences & Technology  
Physics  
Applied Physics  
Chemistry  
Chemical Engineering  
Astronomy  
Mathematics  
Applied Mathematics  
Industrial Engineering and Management Science  
Artificial Intelligence**

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The Teaching and Examination Regulations set out the specific rights and obligations that apply to each degree programme taught at the University of Groningen, for both students and the degree programme. The University-wide section of the Student Charter sets out the rights and obligations that apply to all students.



## Section 1 General provisions

### Article 1.1 Applicability

1. These Regulations apply to the teaching and examinations of the Bachelor's degree programmes in Biology, Pharmacy, Life Science & Technology, Computing Science, Physics, Applied Physics, Chemistry, Chemical Engineering, Astronomy, Mathematics, Applied Mathematics, Industrial Engineering and Management Science, and Artificial Intelligence.
2. The degree programmes are provided by the Faculty of Mathematics and Natural Sciences of the University of Groningen, hereinafter referred to as 'the Faculty'.
3. These Regulations apply to all students enrolled in one or more of the degree programmes listed in Article 1.1.1, unless stated otherwise.
4. These Teaching and Examination Regulations also apply to students of other faculties or institutes of higher education, insofar as they follow course units in one of the degree programmes or the Minors offered by the Faculty.
5. Course units or Minors that students of the degree programme as referred to in Article 1.1.1 follow in other degree programmes or at other faculties or institutes of higher education are subject to the Teaching and Examination Regulations of that programme, faculty or institute.
6. These Regulations also apply to students enrolled in the degree programme for the purpose of following a Pre-Master's programme as referred to in Article 8.5.1.

### Article 1.2 Definitions

The following definitions apply to these Regulations:

- a. Act: the Higher Education and Research Act (WHW: Wet op het Hoger Onderwijs en Wetenschappelijk Onderzoek 2002);
- b. Student: a person registered at the University for the purpose of taking course units and/or examinations leading to the conferral of a university degree;
- c. Degree programme: the Bachelor's degree programme referred to in Article 1.1 of these Regulations, comprising a coherent set of course units;
- d. Examiner: a person appointed by the Board of Examiners to assess the students' knowledge and skills;
- e. Propaedeutic phase: the first 60 ECTS credit points of the formal Bachelor's degree programme as defined in Article 7.8 of the Act;
- f. Post-propaedeutic phase: that part of the Bachelor's degree programme following the propaedeutic phase;
- g. ECTS credit point: a unit of credit according to the European Credit Transfer and Accumulation System, whereby 1 ECTS credit point is the equivalent of 28 hours of study;
- h. Study progress overview: a written overview of study results and their ECTS credit points, which is sent to students via e-mail;
- i. Preliminary study advice: a study progress overview accompanied by a preliminary study advice, which is sent to students via e-mail halfway through the academic year;



- j. Definitive study advice: a study advice issued at the end of the academic year, which can be either negative, provisionally positive or positive, in accordance with Article 7.8b.1 of the Act;
- k. Binding (negative) study advice: a negative study advice that is binding for the student in question and means the student may not continue with the degree programme, in accordance with Article 7.8b.3 of the Act;
- l. Course unit: a teaching unit of the degree programme within the meaning of the Act, included in OCASYS;
- m. OCASYS: the University of Groningen's online course catalogue;
- n. Practical: a practical exercise, as referred to in Article 7.13 of the Act, in one of the following forms:
  - a written assignment, paper or draft
  - a research assignment
  - active participation in fieldwork or an excursion
  - completion of a placement
  - a thesis
  - active participation in another educational activity designed to teach certain skills;
- o. Major: the set of course units in the propaedeutic and post-propaedeutic phases that forms the main focus of the degree programme (150 ECTS);
- p. Minor slot: the space available for students to specialize within the degree programme (30 ECTS);
- q. Minor: a coherent set of course units that can be followed in the Minor slot;
- r. University Minor: a coherent set of broadening course units or deepening course units that students can follow either at their own or a different Faculty;
- s. Personal Minor: a coherent set of broadening and deepening course units that students can choose themselves and follow either at their own or different Faculty;
- t. Test or examination: an assessment of students' knowledge, understanding and skills at the end of a course unit, including an assessments of the results;
- u. Final assessment: the final assessment for the propaedeutic phase or Bachelor's degree which is considered to be passed once all the requirements of the entire bachelor's degree programme have been satisfied;
- v. Academic year: the period of time that starts on 1 September and ends on 31 August of the following year;
- w. Semester: part of the academic year, either starting on 1 September and ending on a date to be determined by the Board of the University on or around 31 January, or starting on the aforementioned date determined by the Board of the University and ending on 31 August;
- x. Board of Examiners: an independent body with the duties and powers as stated in Articles 7.11, 7.12, 7.12b and 7.12c of the Act, including assessing whether the requirements of the final assessment have been met;
- y. Admissions Board Undergraduate School: the board that has decision-making powers in matters concerning admission to the degree programme on behalf of the Faculty Board;
- z. VWO diploma: pre-university certificate in accordance with Article 13.1 of the Secondary Education Act or Article 7 of the Secondary Education Act BES;
- aa. Programme committee: the advisory body that fulfils the duties referred to in Article 9.18 of the Act.

All other definitions shall have the meaning that the Act ascribes to them.

### **Article 1.3 Aims and learning outcomes of the degree programme**

The degree programme is designed to:



- a. impart knowledge, skills and understanding in the field of the degree programme, and to enable the learning outcomes of the programme listed in Appendix I to be attained;
- b. promote academic development. This is defined as the development of competences (knowledge, skills and attitudes) concerning:
  - independent academic thought and action
  - scientific communication
  - the use of the relevant academic instruments
  - the use of specific knowledge of a field in a wider academic, philosophical and social/cultural context
  - behavioural norms that apply during the degree programme and in the academic world;
- c. prepare students for a further study career and have a right to admission to the master's degree programmes of the University of Groningen listed in Appendix II.

#### **Article 1.4 Type of degree programme**

The degree programme is full time.

#### **Article 1.5 Language of instruction**

1. The language of instruction of the Bachelor's degree programmes Biology, Pharmacy and Life Science and Technology is Dutch, unless
  - a. proficiency in a different language is one of the main aims of the degree programme
  - b. it concerns course units for which knowledge of a different language is essential
  - c. proficiency in a different language is a skill in the subject field of the degree programme
  - d. it concerns course units that are also intended for students who do not speak Dutch. In this case the language of instruction will be English
  - e. it concerns course units that are taught by lecturers who do not speak Dutch. In this case the language of instruction may be English.
2. The Bachelor's degree programmes in Computing Science, Artificial Intelligence, Physics, Applied Physics, Chemistry, Chemical Engineering, Astronomy, Mathematics, Applied Mathematics, and Industrial Engineering and Management Science are taught in English.

## **Section 2 Content and structure of the degree programme**

### **Article 2.1 Organization and assessments of the degree programme**

1. The degree programme comprises the following assessments:
  - a. the propaedeutic assessment;
  - b. the final assessment for the Bachelor's degree.
2. The degree programme is divided into a propaedeutic phase and a post-propaedeutic phase.
3. The entire degree programme consists of a Major and a Minor. A list of Majors and available Minors can be found in Appendix III to these Regulations.



### **Article 2.2 Student workload**

1. The degree programme has a student workload of 180 ECTS credit points.
2. The propaedeutic phase has a student workload of 60 ECTS credit points.
3. The student workload is expressed in whole ECTS credit points.

### **Article 2.3 Conditions for awarding a University of Groningen degree**

1. Students can only be awarded a Bachelor's degree for the degree programme if at least half of the programme was followed at the University of Groningen during the student's period of registration as a student at the University of Groningen.
2. For Double Degree Bachelor's degree programmes offered together with an institution abroad, at least one quarter of the programme must have been followed at the University of Groningen during the student's period of registration as a student at the University of Groningen.

### **Article 2.4 Contact hours**

1. The propaedeutic phase of the degree programme comprises a minimum of 480 contact hours a year;
2. The structure of the contact hours is set out in Appendix IX and is also registered in the studyguide and/or OCASYS.

## **Section 3 The propaedeutic phase of the degree programme**

### **Article 3.1 Structure of the propaedeutic phase**

1. A list of course units in the propaedeutic phase can be found in Appendix IV to these Regulations.
2. Any deviations from the set of propaedeutic course units referred to in Article 3.1.1. must be presented to the Board of Examiners for approval.
3. All course units and their modes of instruction are listed in the University's digital course catalogue OCASYS.

### **Article 3.2 Propaedeutic practicals**

1. The propaedeutic course units referred to in Article 3.1.1 and listed in Appendix IV to these Regulations may be taught in the form of lectures and may also comprise one or more practicals.
2. Students must participate in all practicals that are part of a course unit in order to be awarded a final mark for the course unit in question.



## **Section 4 Study progress, including the BSA System (applicable to students starting the degree programme in academic years 2012/2013 and 2013/2014)**

### **Article 4.1 Preliminary study advice**

1. Halfway through the first semester of the first year of registration in the propaedeutic phase of the degree programme, students will receive a study progress overview specifying the student workload realized thus far.
2. Students will receive a written preliminary study advice as soon as possible after the first semester, and in any case before 1 March.
3. The preliminary study advice should be considered as a warning if there is a question of insufficient study progress, giving students the chance to improve their performance.
4. If the study progress is such that the student cannot reasonably be expected to satisfy the conditions for receiving a positive study advice as listed in Article 4.3.1 a and b, he or she will be invited to a meeting with the study advisor.  
The aim of the meeting is to discuss the student's study habits, to reassess the choice of degree programme and perhaps to refer to a different degree programme.

### **Article 4.2 Definitive study advice**

1. Students must earn at least 45 ECTS credit points in their first year of registration in the propaedeutic phase of the degree programme. This threshold is known as the BSA threshold.
2. A definitive study advice is issued at the end of the first year of study, by 31 July at the latest. This can be either:
  - a. positive, for students who have successfully completed the propaedeutic programme
  - b. provisionally positive, for students who have earned at least 45 ECTS in the propaedeutic programme. This advice is accompanied by the condition that the propaedeutic phase must be successfully completed by the end of the second year of study (P-in-2)
  - c. negative, for students who have earned fewer than 45 ECTS of the propaedeutic programme. This study advice is binding on students (BSA) in accordance with Article 7.8b.3 of the Act.

When determining the number of credit points earned, the results of individual parts of examinations (tests, partial exams and projects) do not count.

3. In the event that the preliminary study results are insufficient to such an extent that the student cannot be reasonably expected to pass the 45 ECTS threshold by the end of his/her first year of study, a binding (negative) study advice may be issued subsequently to the preliminary study advice at the request of the student in accordance with Article 4.1. This binding (negative) study advice will be issued according to the procedure described in Article 4.5.



4. Students who were issued a provisionally positive study advice in accordance with Article 4.2.2b will be assessed at the end of the second year of registration in the degree programme, and by 31 July at the latest, to see whether they satisfy the requirements for a positive study advice.
  - a. If the student now satisfies the requirements for the propaedeutic certificate (P-in-2), the provisionally positive study advice will be converted into a definitive positive advice.
  - b. If the student still does not satisfy the requirements for the propaedeutic certificate (no P-in-2), this means that the conditions of the provisionally positive study advice have not been satisfied. The provisionally positive advice will therefore lapse and be converted into a negative study advice, which is binding on the student (BSA).
  
5. The Faculty Board will take extraordinary circumstances into account in its decision about which study advice to issue in the first year of registration, as well as in the assessment of the provisionally positive study advice in the second year of registration. Extraordinary circumstances may include:
  - a. personal circumstances as referred to in Article 4.4, as well as
  - b. recognized committee positions in the second year of registration on the grounds of a provisionally positive advice.

### **Article 4.3 Exceptions to the definitive study advice**

#### ***Multiple degree programmes at the University of Groningen***

1. Students who are registered for the propaedeutic phase of two or more University of Groningen degree programmes in their first year of registration, and by the end of the year satisfy the BSA threshold as referred to in Article 4.2.1 for one degree programme, will not have to satisfy the BSA threshold for the other programme(s) in that year. Once a student has successfully completed the propaedeutic phase of one degree programme, he or she is exempt from the BSA requirements for all other programmes.

#### ***Propaedeutic certificate previously gained elsewhere***

2. Students who have already passed the propaedeutic phase of a degree programme at the University of Groningen or another Dutch university, or (for degree programmes that do not issue propaedeutic certificates) have earned 60 ECTS credit points in their first year of study, will not fall under the BSA system for the degree programme for which they enrol in the propaedeutic phase.

#### ***Deregistration before 1 February***

3. No definitive study advice will be issued to students who submit a request for deregistration before or as of 1 February of the first year of registration for the propaedeutic phase of the degree programme. The procedure set out in Article 4.1 will apply again to students who reregister in a subsequent academic year. The BSA regulations for the academic year in which they reregister will then apply.

#### ***Deregistration before 1 February + registration as of 1 February***

4. Article 4.2 applies in full to students who deregister from a degree programme before 1 February and register for a degree programme in the same degree programme cluster, see Appendix VII, as of 1 February of the same academic year.



***Registration as of 1 February***

5. An adapted BSA threshold will apply to students who register for a University of Groningen Bachelor's degree programme as of 1 February and have not previously been registered as students in the same academic year. These students must have earned 20 ECTS in the propaedeutic phase of the degree programme by the end of the second semester of the first Academic Year of registration. The propaedeutic phase must have been completed by the end of the second Academic Year of registration (P-in-2). In all other cases, the provisions of Article 4.2 will apply mutatis mutandis.

**Article 4.4 Personal circumstances**

1. When deciding whether to issue a binding (negative) study advice, the Faculty Board will take a student's personal circumstances into account at that student's request. The evaluation of personal circumstances will also take into account the student's study behaviour, the agreements made and/or the study plan drawn up in consultation with the study advisor, when the personal circumstances were reported and the study results achieved by the end of the first year of study.
2. Students must report personal circumstances to the study advisor as soon as possible in order to ensure optimum support. Students must also report to the study advisor as soon as possible if they are unable to complete the study plan drawn up in consultation with the study advisor on the basis of an adapted BSA threshold.
3. Students who fail to pass the BSA threshold by the end of the first year of the propaedeutic phase due to circumstances as referred to in Article 4.4.1, but who do pass the adapted threshold agreed upon with the study advisor, will be issued a provisionally positive study advice.
4. Students who are issued a provisionally positive study advice will be assessed at the end of the second year of registration in the degree programme to see whether they satisfy the requirements for a positive study advice.
  - a. The provisionally positive study advice will be converted into a definitive positive study advice if:
    - i. the propaedeutic phase has been successfully completed (P-in-2)
    - ii. as a result of personal circumstances the student has not successfully completed the propaedeutic phase but has satisfied the adapted BSA threshold agreed upon. The provisions of Article 4.4.1 will apply mutatis mutandis.
  - b. The provisionally positive study advice will be converted into a negative study advice, which is binding on the student (BSA), if the student has not successfully completed the propaedeutic phase by the end of the second year of study, and has also failed to pass the adapted BSA threshold for the second year of study, if one was agreed upon.
5. Circumstances as referred to in Article 4.4.1 do not automatically lead to a successful application for a grant from the Graduation Fund.

**Article 4.5 Procedure for issuing a definitive study advice**





1. The definitive study advice is issued by the Faculty Board on behalf of the Board of the University. The decision will also state the applicable safeguards of legal rights.
2. Before a binding (negative) study advice is issued, students will receive notice of the intention to issue one, after which they will be given the opportunity to put their case to the Faculty Board or its representative.

#### **Article 4.6 Consequences of a binding (negative) study advice**

1. Students who have received a binding (negative) study advice may not register for the degree programme, or for any other degree programme in the cluster of related degree programmes listed in Appendix VII, for a period of 2 years from 1 September of the next academic year.
2. Students who have been issued a binding (negative) study advice are not permitted to follow course units in this degree programme via a different degree programme or educational institution in order to avoid the consequences of their binding (negative) study advice. No exemptions will be granted for course units completed in this way, nor will such completed course units be recognized within the framework of the degree programme in any other way.

### **Section 5 Admission to the second year of the degree programme, the post-propaedeutic phase**

#### **Article 5.1 Admission to the post-propaedeutic phase**

1. The following candidates will be admitted to the second study year of the degree programme, the post-propaedeutic phase:
  - a. Holders of a propaedeutic certificate of the degree programme
  - b. Holders of a propaedeutic certificate of one of the degree programmes listed in Appendix VIII.
2. Notwithstanding the provisions of Article 5.1.1, students who have earned at least 45 ECTS in the first year of the propaedeutic phase and/or have been issued a preliminary positive study advice as referred to in Article 4 can be provisionally admitted to the post-propaedeutic phase.
3. Provisional admission does not apply to the Minor of the degree programme. For this, the propaedeutic certificate is required.
4. Provisional admission to the post-propaedeutic phase will expire if the student has not passed the propaedeutic assessment by the end of the second year of registration. Any post-propaedeutic course units passed will remain valid.
5. Provisional admission as referred to in Article 5.1.2 only applies to course units in the first year of the post-propaedeutic phase (i.e. the second year of the bachelor's degree programme). To participate in course units of the second year of the post-propaedeutic phase (i.e. the third year of the bachelor's degree programme), the student must have passed the final assessment of the propaedeutic phase.



### **Article 5.2 Admission to the post-propaedeutic phase: hardship clause**

The Board of Examiners may deviate from the stipulations of Article 5.1 in situations where changes to the curriculum or educational force majeure would demonstrably lead to a situation of unfairness of an overriding nature. This is only possible in unique personal circumstances that are so unusual that admission cannot in all reasonableness be denied.

### **Article 5.3 Studyplan**

All students who have been issued a provisionally positive study advice as referred to in Section 4 are expected to draw up a study plan in consultation with their study advisor, comprising at least the following:

- a. the propaedeutic course units that have not yet been passed with a related time line
- b. the post-propaedeutic course units that may be followed subsequent to the course units listed under a.

### **Article 5.4 Admission to the post-propaedeutic phase (applicable to the 2010/2011 and 2011/2012 cohorts)**

1. The following candidates will be admitted to the post-propaedeutic phase:
  - a. Holders of a propaedeutic certificate of the degree programme
  - b. Holders of a propaedeutic certificate of one of the degree programmes listed in the Appendices.
2. Students who have earned at least 40 ECTS credits from the propaedeutic phase in their first year of registration will be provisionally admitted.
3. They must draw up a study plan and present this to the study advisor to indicate that they will be able to gain the propaedeutic certificate in their second year. Such a study plan must comprise at least:
  - a. the propaedeutic course units that have not yet been passed with a related time line
  - b. the post-propaedeutic course units that may be followed subsequent to the course units listed under a.
4. Provisional admission does not apply to the third year of the degree programme. For this, the propaedeutic certificate is required.
5. Provisional admission will expire the student does not satisfy the conditions set out in Article 5.1.4.

## **Section 6 The post-propaedeutic phase of the degree programme**

### **Article 6.1 Structure of the post-propaedeutic phase**

1. The post-propaedeutic phase comprises the following course units with their related student workloads:
  - a. Major course units (90 ECTS)



b. Major related minor (30 ECTS)/Minor slot (2x15 ECTS)

A list of course units in the post-propaedeutic phase can be found in Appendix V of these Regulations.

2. Students can fill in their Minor slot with the following components:
  - a research traineeship
  - a placement/internship
  - a study period at an other university (national or abroad)
  - a broadening or deepening Minor, comprising course units from outside their own major.
3. Any deviations from the set of post-propaedeutic course units referred to in Article 6.1.1.a and the filling in of the minor slot referred to in Article 6.1.1.b must be presented to the Board of Examiners for approval.
4. All course units and their modes of instruction are listed in the digital University course catalogue OCASYS.

### **Article 6.2 Post-propaedeutic practicals**

1. The post-propaedeutic course units referred to in Article 6.1 and listed in Appendix V to these Regulations may be taught in the form of lectures and may also comprise one or more practicals.
2. Students must participate in all practicals that are part of a course unit in order to be awarded a final mark for the course unit in question.

### **Article 6.3 Replacements and electives followed elsewhere**

1. Following a substantiated request by a student, the Board of Examiners may grant permission to:
  - a. replace a course unit in the examination programme with another course unit offered by the University of Groningen or another university in the Netherlands or abroad that dovetails well with the degree programme, or
  - b. to use one or more course units followed at the University of Groningen or another university in the Netherlands or abroad as electives in the degree programme.
2. When assessing such a request, the Board of Examiners will always evaluate the coherence of the set of course units (or parts thereof) and the level of the course units followed.

## **Section 7 Other specializations**

### **A. Minor**

#### **Article 7.1 Minor**

1. The Minor framework can be filled using any of the options listed in Article 6.1.2.



2. Students can choose between:
  - a. a University Minor
  - b. a Personal Minor.

#### **Article 7.2 University Minor**

1. A University Minor is a coherent set of broadening course units that students can follow either at their own or a different Faculty.
2. Students who choose to fill their Minor framework with a University Minor do not need explicit permission from the Board of Examiners.

#### **Article 7.3 Personal Minor**

1. A personal Minor is a coherent set of broadening or deepening course units that students can compile themselves and follow either at their own or a different Faculty.
2. The demand of coherent set does not apply to the Personal Minor when this will be filled with a study period at a university abroad.
3. Personal Minors must be presented to the Board of Examiners for approval in advance.

#### **Article 7.4 Authority of the Board of Examiners with regard to the Minors**

1. Students must present their choice of Minor to the Board of Examiners of their own degree programme for approval, except if they choose a University Minor in accordance with Article 7.2.2.
2. Minors followed in other degree programmes or at other faculties or institutes of higher education are subject to the authority of the Board of Examiners of the degree programme.
3. Minors in the degree programme followed by students of other degree programmes, faculties or institutes of higher education are subject to the authority of the Board of Examiners of the degree programme.
4. A responsible Board of Examiners will be assigned in the event of inter-faculty University Minors.

#### **Article 7.5 University Minors of the faculty of Mathematics and Natural Sciences**

1. The Faculty of Mathematics and Natural Sciences offers three University Minors. Their content and student workload are set out in Appendix X.
2. The entry requirements for these Minors are set out in Article 5.1.3 and in OCASYS.
3. The Minors are taught in Dutch, unless otherwise indicated.

#### **B. Honours programme**



### **Article 7.6 Bachelor's Honours programme**

1. The Faculty participates in the Bachelor's Honours Programme organized by the University of Groningen Honours College. The Honours Programme does not form part of the regular Bachelor's curriculum.
2. Students admitted to one of the Bachelor's degree programmes offered by the Faculty can participate in the Bachelor's Honours Programme if they are selected by the Dean of the University of Groningen Honours College. Please consult the Teaching and Examination Regulations of the University of Groningen Honours College for the selection procedure.
3. The Bachelor's Honours Programme has a total student workload of 45 ECTS credit points, divided over the three years of the Bachelor's programme.  
The Bachelor's Honours Programme, including the deepening Faculty part, is subject to the Teaching and Examination Regulations of the University of Groningen Honours College.
4.
  - a. The Honours Programme does not form part of the regular Bachelor's curriculum. The results and marks do not count towards the awarding of an honours predicate for the bachelor's programme.
  - b. The Diploma Supplement that accompanies the Bachelor's degree certificate will also list the results gained in the Bachelor's Honours Programme.

### **C. Pre-Master's programmes**

#### **Article 7.7 Pre-Master's programmes**

1. The Faculty offers Pre-Master's programmes to facilitate entry into a Faculty Master's degree programme.
2. Students who enrol in a Pre-Master's programme are registered in one of the Bachelor's degree programmes.
3. The Admissions Board of the desired Master's degree programme will decide whether students are admitted to the Pre-master's programme.
4. The Board of Examiners of the degree programme has the authority to decide in matters concerning course units in the Pre-master's programme.
5. The stipulations concerning Pre-Master's programmes in the University of Groningen Regulations for Registration and Tuition Fees apply.

## **Section 8 Examinations of the degree programme**

### **Article 8.1 General**

1. Each course unit is assessed by means of an examination.
2. The examination assesses the student's academic development and mastery of the learning outcomes of the course unit.



3. Assessment is expressed in whole and half numbers greater than or equal to 1 or less than or equal to 10, or by the qualifications 'Pass' (V) or 'Fail' (O). A course unit is passed when a mark of at least 6 is achieved or when the qualification 'Pass' (V) is awarded. The mark 5.5 is not awarded.

### **Article 8.2 Compulsory order**

The examinations for some course units in the post-propaedeutic phase may not be taken before the exams of certain other course units have been passed. Appendix V to these Regulations provides an overview of course units to which this stipulation applies.

### **Article 8.3 Examination frequency and periods**

1. There will be an opportunity to sit the examinations for the course units listed in Articles 3.1 and 6.1 twice per academic year.
2. The period in which examinations can be sat are listed in the study guide and/or OCASYS.
3. Practicals of the degree programme, as listed in Appendices IV and V, will be offered at least once a year. Students will be offered the opportunity to participate in the practicals once a year.
4. Contrary to the provisions of Article 8.3.1, for course units which are not taught in a specific academic year, standard examination opportunities will be offered in that same year.
5. Contrary to the provisions of Article 8.3.1, for course units which are taught for the last time in a specific academic year, standard examination opportunities will be offered in the following year.

### **Article 8.4 Form of examinations**

1. Examinations will be taken in the form stated in OCASYS.
2. At the student's request, the Board of Examiners may allow an examination to be taken in a form different from that stated in Article 8.4.1. on this matter.
3. For each written examination representative questions will be available to practise.

### **Article 8.5 Examination provisions in special circumstances**

1. If not granting a student an individual examination provision would lead to an 'exceptional instance of unfairness of overriding nature', the Board of Examiners may decide to grant such a provision contrary to the stipulations of Article 8.3.
2. Requests for individual examination provisions, including documentary evidence, must be submitted to the Board of Examiners as soon as possible.

### **Article 8.6 Board of Examiners responsible for electives taken at other degree programmes**



1. A request to take an elective at another degree programme must be approved by the Board of Examiners of the student's own degree programme.
2. The Board of Examiners of the other degree programme is authorized to set and assess the examinations and decide upon requests for alternative exam regulations.

#### **Article 8.7 Examinations and performance disabilities**

1. Students with a performance disability will be given the opportunity to take examinations in a form that will compensate as far as possible for their individual disability. If necessary, the Board of Examiners will seek expert advice from a student counsellor of the Student Service Centre (SSC) before making a decision.
2. With regard to examinations for optional course units taken by students with a performance disability, the Board of Examiners of the degree programme that sets the examination shall comply with the facilities permitted by the Board of Examiners of the degree programme for which the student has registered.

#### **Article 8.8 Oral examinations**

1. Unless the Board of Examiners decides otherwise, an oral examination may only be taken by one student at a time.
2. A neutral observer with no personal interest may attend an oral examination at the request of the examiner or the student.

#### **Article 8.9 Marking of examinations and publication thereof**

1. After an oral examination, the examiner will assess the examination immediately and submit the result to the Faculty's administration department (ESC).
2. The examiner will mark a written examination within 10 working days of the day on which it was taken, and will provide the Faculty's administration department (ESC) with the necessary details for registration of the result in Progress.
3. Written examinations for propaedeutic course units specified by the Director of the Undergraduate School of Science (USS) will be assessed within 5 working days of the day on which they were taken. The Faculty's administration department (ESC) will then provide the necessary details for written confirmation of the result to be sent to the student and to determine whether a binding (negative) study advice is in order.
4. The examiner will assess practicals within 10 working days of the day on which the course unit must be completed, with the exception of practicals for which the Board of Examiners has set an alternative assessing period of no more than one month. The examiner will provide the Faculty's administration department (ESC) with the necessary details for registration of the result.
5. If an examination is taken in a form other than oral, written or via a practical, the Board of Examiners will determine in advance how and when students will receive written confirmation of the result.



### **Article 8.10 Validity**

1. Completed course units remain valid indefinitely.
2. Contrary to the provisions of Article 8.10.1, the Board of Examiners may decide to require a student to take a supplementary or substitute examination for a course unit taken more than six years previously before allowing that student to progress to the final assessment.

### **Article 8.11 Right of inspection**

1. On request, students have the right to inspect their marked work during a period of six weeks after the results of a written examination have been made known.
2. Within the time frame stipulated in Article 8.11.1, any participant in the examination may request that they be allowed to peruse the examination paper and the assessment criteria.
3. The Board of Examiners can determine that this inspection or perusal will take place at a certain place and at two set times at least. If the student concerned can show that he/she was prevented by force majeure from attending at the indicated places and times, he/she will be offered another opportunity, if possible within the period stated in Article 8.11.1.

### **Article 8.12 Exemptions**

1. At the student's request, the Board of Examiners, having discussed the matter with the examiner in question, may grant exemption from an examination on condition that the student:
  - a. has completed part of a university or higher vocational degree that is equivalent in content and level, or
  - b. can demonstrate by work experience that he/she has sufficient knowledge and skills with respect to the course unit in question.
2. The validity period of exemptions granted for course units or parts thereof is identical to that of examination results.
3. The Board of Examiners may also grant exemption from participation in practical exercises. Such exemptions can be granted, for example, on the basis of recognized conscientious objections. In such cases, the Board of Examiners will require the practical exercise to be performed in a different way that it will determine.
4. Article 2.3 applies to granting exemptions.

### **Article 8.13 Board of Examiners and examiners**

1. The Board of examiners is the independent body that determines whether individual students have the knowledge, understanding and skills required to be awarded the degree.
2. The Faculty Board appoints the members of the board of Examiners on the basis of their expertise in the field of the degree programme (or group of degree programmes) in question.





3. The Board of Examiners must comprise at least:
  - a. one member who is a lecturer in the degree programme (or in one of the degree programmes that are part of the relevant group of degree programmes)
  - b. one member from outside the degree programme (or one of the degree programmes that are part of the relevant group of degree programmes).
4. Members of the Board or other people who have financial responsibilities within the institution may not be appointed as members of the Board of Examiners.
5. The Board of Examiners will appoint examiners to set examinations and determine the results.
6. The Board of Examiners will set out the Rules and Regulations of the Board of Examiners.

#### **Article 8.14 Fraud and plagiarism**

1. Fraud is an act or omission by a student designed to partly or wholly hinder the forming of a correct assessment of his or her own or someone else's knowledge, understanding and skills.
2. Fraud also includes plagiarism, which is copying someone else's work without correct reference to the source.
3. If a student commits fraud, the Board of Examiners may exclude that student from participation in one or more examinations or final assessment for a maximum of one year.
4. In the event of very serious fraud, the Board of Examiners may propose to the Board of the University that the student's registration be definitively terminated.
5. The Board of Examiners will set out its course of action in the event of fraud in its Rules and Regulations.

#### **Article 8.15 Invalid examination**

In the event of irregularities with regard to an examination that are so serious that an accurate assessment of the examinee's knowledge, understanding and skills cannot be made, the Board of examiners may declare the examination invalid for either an individual examinee or a group of examinees.

#### **Article 8.16 Refusal of registration (Iudicium Abeundi)**

1. In cases of serious objectionable behaviour and/or remarks by a student, the Board of the University can in certain cases, after an advice from the Board of Examiners or from the Faculty Board, decide to terminate the registration of this student after having carefully assessed all the interests of the student and the institution and once it has proven reasonable to assume that the student's behaviour and/or remarks prove him/her to be unsuitable for one or more of the professions for which he/she is being trained in his/her degree programme or for the practical preparation for that profession.
2. The stipulations in the University of Groningen Regulations for registration and Tuition fees apply.



## **Section 9 Final assessment of the degree programme**

### **Article 9.1 Final assessment**

1. The degree programme is concludes with a final assessment.
2. The Board of Examiners determines the result of the final assessment as soon as the student has passed all the required examinations, thereby acquiring the necessary academic training.
3. Before the final assessment can be determined, the Board of Examiners may decide to test the student's knowledge of one or more course units or components of the degree programme, if and in as much as the marks for these course units provide a reason for doing so.
4. By determining the result of the final assessment, the Board of Examiners also commits itself to a speedy processing of the degree certificate ceremony.
5. If a student wishes to postpone the date of graduation due to extra examinations that still need to be taken, he or she must submit a request to this end to the Board of Examiners in good time.
6. The graduation date is the date on which the final assessment is passed, as determined by the Board of Examiners in accordance with the provisions of Article 10.1.2, and not the date on which the degree certificate is presented to the student.
7. The successfully passed final assessment as referred to in Article 9.1.1, and all assignments submitted within the framework of this assessment, will be kept on file by the Faculty Board for a period of at least 7 years.

### **Article 9.2 Degree certificate**

1. Students shall receive a certificate issued by the Board of Examiners as a proof that they have passed the final examination. Even if a student successfully completes more than one specialization within the degree programme, he/she will receive only one degree certificate.
2. The Board of Examiners will issue an International Diploma Supplement with each degree certificate.
3. The Major and Minor followed will be stated in the Diploma Supplement that accompanies the Bachelor's degree certificate .
4. If relevant, the results obtained in the Bachelor's Honours Programme will also be stated in the Diploma Supplement that accompanies the Bachelor's degree certificate.

### **Article 9.3 Degree**

1. Students who have successfully passed the final assessment are awarded the degree 'Bachelor of Science'.
2. The degree awarded shall be registered on the degree certificate.



#### **Article 9.4 Honours ('judicium')**

1. The Board of Examiners shall determine whether or not the certificate will be awarded an honours predicate.
2. To the propaedeutic certificate the following conditions apply:
  - a. For the predicate 'Cum Laude':

The weighted average (not rounded off) for all course units within the examination programme approved by the Board of Examiners must be at least 8.0.
  - b. For the predicate 'Summa Cum Laude':

The weighted average (not rounded off) for all course units within the examination programme approved by the Board of Examiners must be at least 9.0.
3. To the Bachelor's degree programme certificate the following conditions apply:

For the predicate 'Cum Laude':

  - a) The mark for the Bachelor's project must be at least 8.0, and
  - b) The weighted average (not rounded off) for all course units within the examination programme approved by the Board of Examiners, excluding the Bachelor's project, must be at least 8.0.

For the predicate 'Summa Cum Laude':

  - a) The mark for the Bachelor's project must be at least 9.0, and
  - b) The weighted average (not rounded off) for all course units within the examination programme approved by the Board of Examiners, excluding the Bachelor's project, must be at least 9.0.
4. No honours predicate is awarded if the student workload of the exemptions in ECTS credit points is more than half the total number of ECTS for the degree programme. This stipulation does not apply to double degree programmes.
5. Honours may only be awarded if the examinations for the course units were taken only once.
6. Honours may only be awarded if no single course unit was awarded a mark less than 7.0.
7. No honours are awarded if a decision by the Board of Examiners has been taken to the effect that a student is no longer eligible for an honours predicate because fraud/plagiarism has been detected.
8. In certain circumstances, the Board of Examiners may depart from the provisions set out in Articles 9.5.2-6.
9. Students who started the degree programme before 1 September 2010 continue to fall under the honours regulations that applied to them on 31 August 2010 and that were included in the Rules and Regulations at the time.

#### **Article 9.5 Assessment plan**

An assessment plan has been approved by the Faculty Board, comprising the following topics:

1. the learning outcomes of the degree programme
2. the course units of the degree programme and the learning outcomes of each course unit



3. the relationship between course units and learning outcomes
4. the assessment mode to be used and the test moments for each course unit
5. the test design and assessment procedures and assessment criteria used
6. the responsibilities in terms of implementing the various elements of the assessment policy
7. the method of regular evaluation.

## **Section 10 Entry requirements**

### **Article 10.1 Admission to the degree programme**

Holders of a VWO diploma with the right profile grants admission to the degree programme.

### **Article 10.2 Educational deficiencies**

The following applies to students with Dutch qualifications:

1. Deficiencies in the qualifications below may be compensated by passing the relevant examinations at the level of the VWO final examination. The relevant subjects and examinations are listed in Appendix VI, part A1.
2. Holders of a propaedeutic certificate from a HBO Bachelor's programme or an University Bachelor's programme will be granted admission to the degree programme after having demonstrated sufficient knowledge at VWO final examination level in accordance with the entry requirements for VWO graduates. The relevant subjects and examinations are listed in Appendix VI, part A1.
3. The Faculty Committee for Special Admissions will determine whether deficiencies have been compensated satisfactorily.

### **Article 10.3 Language requirement for foreign certificates**

1. Students who have been admitted to a degree programme on the basis of a foreign certificate or degree may be required by the Faculty Committee for Special Admissions – before registration – to pass a Dutch or English language test, depending on the language of instruction of the chosen degree programme.
2. The Dutch language proficiency requirement can be met by passing the state examination in Dutch as a Second Language (NT2).
3. The English language proficiency requirement can be met by passing an examination in English at the level of the VWO final exam or by passing the TOEFL with a score of at least 580 (paper-based), of 237 (computer-based) or of 92 (internet-based) or equivalent.

### **Article 10.4 Equivalent qualifications**

1. Holders of a certificate of a foreign secondary education institute that has not been designated by ministerial regulation as equivalent to the qualification requirements listed in Article 7.24 of the Act may be granted exemption from the qualification requirements.



2. Equivalence will be revealed after an assessment by the Faculty Committee for Special Admissions

#### **Article 10.5 Entrance examination**

1. Students who do not satisfy the entry requirements set out in Articles 10.1 and 10.2 may take an entrance examination in accordance with Article 7.29 of the Act.
2. Students who wish to take the entrance examination must be aged 21 or over on the date on which the examination is held. An exception to the age requirement may be made if the student in question has gained a certificate abroad or if the student has the status of refugee and for this reason is unable to present a degree certificate.
3. The entrance examination concerns the relevant subjects and examinations listed in Appendix VI, part A1 and will be assessed by the Faculty Committee for Special Admissions.
4. A successfully completed entrance examination will grant admission to the University of Groningen degree programme for which it was taken for the duration of two academic years after the date on which the examination was taken.

#### **Artikel 10.6 Preparatory year**

1. Higher educated foreigners who do not satisfy the entry requirements set out in the articles 10.1, 10.2 and 10.3 may participate in the Preparatory Year for higher educated foreigners for Hanzehogeschool University and University of Groningen.
2. A successfully completed entrance examination of the Preparatory Year will grant admission to the University of Groningen degree programme for which it was taken for the duration of two academic years after the date on which the examination was taken.

### **Section 11 Study progress supervision**

#### **Article 11.1 Study progress administration**

1. The Faculty Board registers individual study results for all students.
2. Authenticated overviews will be provided by the Faculty's administration department (ESC) upon a student's request.

#### **Article 11.2 Study progress supervision**

The Faculty will organize the introduction and the study progress supervision for students enrolled in the degree programme, partly to promote their progress and also with a view to potential study options within and outside the degree programme.



## **Section 12 Transitional and final provisions**

### **Article 12.1 Amendments**

1. Any amendments to these Regulations will, after due consultation with the programme committee and, if applicable, with the approval of the Faculty Council, be confirmed by the Faculty Board in a separate decree.
2. An amendment to these Regulations shall not apply to the current academic year, unless it may reasonably be assumed that the amendment will not harm the interests of students.
3. In addition, an amendment may not influence any other decision concerning a student taken by the Board of Examiners under these Regulations to the disadvantage of students.

### **Article 12.2 Publication**

1. The Faculty Board shall duly publish these Regulations, any rules and guidelines formulated by the Board of Examiners, and any amendments to these documents.
2. The documents referred to in Article 12.2.1 can be found on the Faculty website via 'My University'.

### **Article 12.3 Legal validity**

The Dutch text shall be binding in the event of differences of opinion on the interpretation of the Dutch or English version of these Teaching and Examination Regulations.

### **Article 12.4 Hardship clause**

In exceptional cases and cases not covered by these regulations, the Board of Examiners shall have the final word. Appeals against the decisions of the Board of Examiners may be lodged with the Board of Appeal for Examinations.

### **Article 12.5 Date of commencement**

These Regulations shall take effect on 1 September 2015.



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**Appendices for the Bachelor's degree  
 programme(s) in .....**



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**Appendix I**  
**programme**  
**Article 1.3.a**

**Learning outcomes of the Bachelor's degree**





## **Appendix II    Follow-on Master's degree programmes**

### **Article 1.3.c**

The Bachelor's degree programme will grant unconditional admission to the following Master's degree programmes at the University of Groningen:

- Education and Communication in Mathematics and Natural Sciences (Science Communication programme)



## **Appendix III Majors and Minors of the degree programme Article 2.1.2**

The degree programme has the following Major(s):

....

The degree programme has the following Minor(s):

....



## Appendix IV Course units in the propaedeutic phase

- **List of course units; Article 3.1.1**
- **Course units with one or more practicals; Article 3.2**
- **Compulsory order of examinations; Article 8.2**

<b>Course unit name</b>	<b>ECTS</b>	<b>Practical</b>	<b>Entry requirements</b>



## Appendix V Course units in the post-propaedeutic phase

- **List of course units; Article 6.1.1**
- **Course units with one or more practicals; Article 6.2.1**
- **Compulsory order of examinations; Article 8.2**

<b>Course unit name</b>	<b>ECTS</b>	<b>Practical</b>	<b>Entry requirements</b>



## Appendix VI Entry requirements Article 10.1

### A. HBO (university of applied science) propaedeutic certificate

1. The following requirements apply to the entrance examination as defined in Article 7.28.3 of the Act:

Degree programme	Subjects at VWO (pre-university) level	Requirement: Dutch as a Second Language (programme II) for non-native speakers of Dutch
B Biology	wia or wib + na+sk+bio	Yes
B Pharmacy	wia or wib + na+sk	Yes
B Computing Science	wib	
B Artificial Intelligence	wia or wib	
B Physics	wib+na	
B Chemistry	wib+na+sk	
B Astronomy	wib+na	
B Mathematics	wib	
B Chemical Engineering	wib+na+sk	
B Industrial Engineering and Management Science	wib	
B Applied Physics	wib+na	
B Applied Mathematics	wib	

wia = Mathematics A; wib = Mathematics B; na = Physics; sk = Chemistry; bio = Biology

2. Non-native speakers of Dutch who wish to be admitted to the Bachelor's degree programmes in Biology, Life Science and Technology, or Pharmacy must also have passed the State Examination in Dutch as a Second Language, Programme II (NT2-II).
3. The Faculty Committee for Special Admissions will determine whether deficiencies have been compensated satisfactorily.

### B. Foreign qualifications (EEA)

1. Any certificate that grants access to a university in a European country will also grant access to Dutch universities.
2. The same requirements that also apply to candidates with an HBO (university of applied science) propaedeutic certificate will apply to these candidates in the entrance examination as defined in Article 7.28.3 of the Act (see A).
3. Non-native speakers of Dutch who wish to be admitted to the Bachelor's degree programmes in Biology, Life Science and Technology, or Pharmacy must also have passed the State Examination in Dutch as a Second Language, Programme II (NT2-II).



- In addition, candidates are required to be competent in English: an IELTS score of 6.5, a TOEFL score of 580 (paper-based), of 237 (computer-based) or of 92 (internet-based) or equivalent.
- The Faculty Committee for Special Admissions will determine whether deficiencies have been compensated satisfactorily.

### C. Foreign qualifications (German)

- German candidates must have a Zeugnis der Allgemeinen Hochschulreife ('Abitur').
- The following requirements apply to the entrance examination as defined in Article 7.28.3 of the Act:

Degree programme	
B Biology	wi (LK or GK) na (LK or GK) sk (LK or GK) bio (LK or GK) (at least one subject at Leistungskurs level)
B Pharmacy B Life Science and Technology B Chemistry B Chemical Engineering	wi (LK or GK) na (LK or GK) sk (LK or GK) (at least one subject at Leistungskurs level)
B Computing Science B Mathematics B Applied Mathematics B Artificial Intelligence	wi (LK)
B Physics B Astronomy B Applied Physics	wi (LK) na (LK or GK)
B Industrial Engineering and Management Science	wi (LK or GK) na (LK or GK) (at least one subject at Leistungskurs level)

wi= Mathematics; na = Physics; sk = Chemistry; bio = Biology  
LK = Leistungskurs level; GK = Grundkurs level followed until end of Class 13 or Class 12 (if Gymnasium education lasts 12 years).

- Non-native speakers of Dutch who wish to be admitted to the Bachelor's degree programmes in Biology, Life Science and Technology, or Pharmacy must also have passed the State Examination in Dutch as a Second Language, Programme II (NT2-II).
- The Faculty Committee for Special Admissions will determine whether deficiencies have been compensated satisfactorily.



### D. Foreign qualifications (International Baccalaureate)

1. The following requirements apply to the entrance examination as defined in Article 7.28.3 of the Act:

Degree programme	from 2010/2011
B Biology	Biology (SL or HL) Maths (SL or HL) Physics (SL or HL) Chemistry (SL or HL) two of these subjects at HL
B Pharmacy B Life Science and Technology B Chemistry B Chemical Engineering	Maths (SL or HL) Physics (SL or HL) Chemistry (SL or HL) two of these subjects at HL
B Computing Science B Mathematics B Applied Mathematics	Maths HL
B Artificial Intelligence	Maths SL <b>or</b> Maths HL
B Physics B Astronomy B Applied Physics B Industrial Engineering and Management Science	Maths HL Physics HL

SL = Standard Level, HL = Higher Level

2. Non-native speakers of Dutch who wish to be admitted to the Bachelor's degree programmes in Biology, Life Science and Technology, or Pharmacy must also have passed the State Examination in Dutch as a Second Language, Programme II (NT2-II).
3. The Faculty Committee for Special Admissions will determine whether deficiencies have been compensated satisfactorily.

### E. Foreign qualifications (non-EEA)

1. A non-European certificate that according to NUFFIC and/or NARIC standards is equivalent to a Dutch VWO certificate will grant access to university in the Netherlands.
2. The same requirements that also apply to candidates with an HBO (university of applied science) propaedeutic certificate will apply to these candidates in the entrance examination as defined in Article 7.28.3 of the Act (see A).
3. Non-native speakers of Dutch who wish to be admitted to the Bachelor's degree programmes in Biology, Life Science and Technology, or Pharmacy must also have passed the State Examination in Dutch as a Second Language, Programme II (NT2-II).
4. In addition, candidates are required to be competent in English: an IELTS score of 6.5, a TOEFL score of 580 (paper-based), of 237 (computer-based) or of 92 (internet-based) or equivalent.



- The Faculty Committee for Special Admissions will determine whether deficiencies have been compensated satisfactorily.

### F. Entrance examination

- The following requirements apply to the entrance examination as defined in Article 7.29 of the Act:

<b>Degree programme</b>	<b>Nature and Health VWO level</b>	<b>or</b>	<b>Nature and Technology VWO level</b>
B Biology	en, wia or b, sk, bio, na		en, wib, na, sk, bio
B Pharmacy	en, wia or b, sk, bio, na		en, wib, na, sk
B Life Science and Technology	en, wib, sk, bio, na		en, wib, na, sk
B Computing Science	en, wib, sk, bio		en, wib, na, sk
B Artificial Intelligence	en, wia of b, sk, bio		en, wib, na, sk
B Physics	en, wib, sk, bio, na		en, wib, na, sk
B Chemistry	en, wib, sk, bio, na		en, wib, na, sk
B Astronomy	en, wib, sk, bio, na		en, wib, na, sk
B Mathematics	en, wib, sk, bio		en, wib, na, sk
B Chemical Engineering	en, wib, sk, bio, na		en, wib, na, sk
B Industrial Engineering and Management Science	en, wib, sk, bio		en, wib, na, sk
B Applied Physics	en, wib, sk, bio, na		en, wib, na, sk
B Applied Mathematics	en, wib, sk, bio		en, wib, na, sk

en = English; wia = Mathematics A; wib = Mathematics B; na = Physics; sk = Chemistry; bio = Biology

- Non-native speakers of Dutch who wish to be admitted to the Bachelor's degree programmes in Biology, Life Science and Technology, or Pharmacy must also have passed the State Examination in Dutch as a Second Language, Programme II (NT2-II).
- The Faculty Committee for Special Admissions will determine whether deficiencies have been compensated satisfactorily.





## Appendix VII Clustering of Bachelor's degree programmes Article 4.3.6, Article 4.4.2

<b>Degree programme CROHO code</b>	<b>Name of degree programme</b>	<b>Clustered with CROHO code</b>	<b>Name of degree programme</b>
56286	B Life Science and Technology	56860 56157	B Biology B Pharmacy
56860	B Biology	56286 56157	B Life Science and Technology B Pharmacy
56157	B Pharmacy	56860 56286	B Biology B Life Science and Technology
56980	B Mathematics	56965	B Applied Mathematics
56965	B Applied Mathematics	56980	B Mathematics
50206	B Physics	56962 50205	B Applied Physics B Astronomy
56962	B Applied Physics	50206 50205	B Physics B Astronomy
50205	B Astronomy	56962 50206	B Applied Physics B Physics
56857	B Chemistry	56960	B Chemical Engineering
56960	B Chemical Engineering	56857	B Chemistry



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## **Appendix VIII Admission to the post-propaedeutic phase Article 5.1.1**

The following candidates will be admitted to the post-propaedeutic phase:

Holders of a propaedeutic certificate of the degree programme

Holders of a propaedeutic certificate of  
 the Bachelor's degree programme in.....

the Bachelor's degree programme in.....



## Appendix IX Contact hours propaedeutic phase Article 2.3

<b>Degree programme year 1</b>	
<b>Structure contact hours</b>	<b>Contact hours per year</b>
Lectures	
Tutorial	
Tutoring	
Supervision during an internship	
Examinations	



## **Appendix X University Minors of the faculty of Mathematics and Natural Sciences Article 7.5.1**

1. Neurosciences Minor:

- Neuroscience (15 ECTS)
- Behavioural Neuroscience (15 ECTS)

People, Planet, Profit Minor:

- Overview and Coherence People Planet Profit (10 ECTS)
- Paper People Planet Profit (5 ECTS)
- Project People, Planet, Profit (15 ECTS)

Astronomy through Space and Time Minor:

- The Evolving Universe (5 ECTS)
- Cosmic Origins (5 ECTS)
- Astrobiology (5 ECTS)

2. The Programme Committee for the Bachelor's degree programmes in Biology and Life Science & Technology also has authority in the field of the Neurosciences Minor and/or its course units.

The Programme Committee for the Master's degree programme in Energy & Environmental Sciences also has authority in the field of the People, Planet, Profit Minor and/or its course units.

The Programme Committee for the Bachelor's degree programme in Astronomy also has authority in the field of the Astronomy through Space and Time Minor and/or its course units.

3. The Board of Examiners for the Bachelor's degree programmes in Biology and Life Science & Technology and the Master's degree programmes in Biology, Ecology & Evolution, Marine Biology and Molecular Biology & Biotechnology also has authority in the field of the Neurosciences Minor and/or its course units.

The Board of Examiners for the Master's degree programme in Energy & Environmental Sciences also has authority in the field of the People, Planet, Profit Minor and/or its course units.

The Board of Examiners for the Bachelor's degree programme in Astronomy also has authority in the field of the Astronomy through Space and Time Minor and/or its course units.

4. These Teaching and Examination Regulations also apply in their entirety to the Minors in Neurosciences, People, Planet, Profit and Astronomy through Space and Time and/or their course units.