Education and Examination Regulation 2020-2021

Master Molecular Sciences



PART I	Gener	al provisions	2
Section	n 1.	General provisions	2
Art	icle 1.1	Applicability of these regulations	3
Art	icle 1.2	Definition of terms	3
Part II	Gener	al part	6
Section	n 2.	Admission to the degree programme and education	6
Art	icle 2.1	Admission and admission requirements	6
Art	icle 2.2	Language requirements	6
Section	on 3.	Structure and design	7
Art	icle 3.1	Final examination, degree and distinctions	7
Art	icle 3.2	General learning outcomes	7
Art	icle 3.3	Curriculum	7
Art	icle 3.4	Type of interim examination	8
Art	icle 3.5	Exemptions	9
Art	icle 3.6	Term of validity of successfully completed interim examinations	9
Art	icle 3.7	Elective programme	9
Section	n 4.	Testing	10
Art	icle 4.1	Frequency of interim examinations	10
Art	icle 4.2	Registration for course examinations	10
Art	icle 4.3	Confirmation of examination results	10
Art	icle 4.4	Publication of results	11
Art	icle 4.5	Right of inspection and explanation	11
Art	icle 4.6	Confirmation of the result of the final examination	12
Art	icle 4.7	Awarding distinctions	12
Section	on 5.	Study performance, guidance, and evaluation of education	
Art	icle 5.1	Study performance and support	13
	icle 5.2	Method of evaluation of education	
PART III	Progra	amme-specific part	
Section	on 6.	Admission to the degree programme and education	
	icle 6.1	Admission requirements	
		Pre-Master's	
Sectio		Structure and design	
Art	icle 7.1	Programme-specific learning outcomes	14



	Article /.	2 Composition of the programme	16
	Article 7.	2a Chemistry of Life	17
	Article 7.	2b Medicinal Chemistry	19
	Article 7.	2c Molecular Chemistry	20
	Article 7.	2d Physical Chemistry	22
	Article 7.	2e Science, Management and Innovation	24
	Article 7.	2f Science in Society	26
	Article 7.	2g Science and Education	28
	Article 7.	3 Deviating programme	29
PAR	T IV Fina	Il provisions	30
Se	ection 9.	Final provisions	30
	Article 9.	Safety net scheme and hardship paragraph	30
	Article 9.	2 Establishment and amendments	30
	Article 9.	3 Entry into force	30
	Article 9.	4 Publication	30
Арр	endix I	Regulations for fraud during examinations	31
Se	ection 1.	Introductory provisions	31
Se	ection 2.	Definition of fraud, procedure, and sanctions	31
Se	ection 3.	Transitional provisions	33
Ç,	action 1	Final provisions	22

PART I GENERAL PROVISIONS

Section 1. General provisions



Article 1.1 Applicability of these regulations

- These Education and Examination Regulations (EER) apply to the Master's programmes (the
 degree programme in which the student is enrolled is hereinafter referred to as "the programme"),
 including all their components, of the Faculty of Science. These EER outline the applicable
 procedures, rights, and obligations concerning teaching, interim examinations, and final
 examinations.
- 2. The present regulations apply to all students enrolled in the programme in the 2020-2021 academic year. Students who started the degree programme before 1 September 2016 and have been continuously enrolled in this programme may appeal to the EER which was active at the time of their initial enrolment in the programme.
- 3. Course components provided by a different faculty or institution that are followed as part of the degree programme are subject to the rules applicable at that faculty or institution. Components offered by the Faculty of Science are at all times subject to the regulations described in at least one of the EERs of the Faculty of Science.
- 4. The faculty offers the following 120-EC Master's programmes:
 - a. Biology;
 - b. Chemistry (being phased out);
 - c. Computing Science;
 - d. Mathematics;
 - e. Medical Biology;
 - f. Molecular Life Sciences (being phased out);
 - g. Molecular Sciences
 - h. Physics and Astronomy;
 - i. Science (being phased out);
- 5. The faculty offers the following 60-EC Master's programmes:
 - a. Information Sciences.
- 6. All degree programmes are offered exclusively as full-time programmes.
- 7. The programmes are taught in English, with the exception of the educational components of the Faculty of Science Education and Science specialisations which are taught in Dutch.

Article 1.2 Definition of terms



- 1. The terms used in these EER, which are also used in the Higher Education and Research Act (Wet op het hoger onderwijs en wetenschappelijk onderzoek, hereinafter, "the Act") will have the same meaning as in the Act.
- 2. Apart from the terms referred to in paragraph 1, the terms below will be understood to have the following meaning:
 - a. *Degree programme*: the Master's degree programme referred to in Article 7.3a paragraph 1 of the Act;
 - b. Component: an educational unit as referred to in Article 7.3 paragraphs 2 and 3 of the Act;
 - c. *Student*: anyone enrolled at Radboud University for participation in a degree programme or in the partial examinations or final examinations of a programme;
 - d. Academic year: the period from 1 September in a given year until 31 August of the following year;
 - e. Practical: a practical exercise as referred to in Article 7.13 paragraph 2 under D of the Act;
 - f. *Interim examination*: an examination testing the knowledge, understanding or skills of the student in relation to a certain unit of study, as well as the assessment of the results of this examination, which is administered by at least one examiner designated by the Examination Board. For the purpose of these regulations, a partial examination or a resit is also considered an interim examination;
 - g. *Partial examination*: an examination of the knowledge, insight, and skills of the student, as well as the assessment of the results of the examination, which in conjunction with one or more other partial examinations constitute the interim examination as referred to under paragraph f. In these regulations, when the term examination is used this can also be read as partial examination, unless explicitly indicated otherwise;
 - h. *Resit*: a new opportunity to take a particular examination as referred to in Article 7.10 paragraph 1 of the Higher Education and Research Act (WHW). In these regulations, when the term examination is used this can also be read as resit, unless explicitly indicated otherwise;
 - i. Final examination: an assessment, on the basis of which the Examination Board determines whether all the components pertaining to the Master's programme have been completed successfully. The Examination Board may decide that the final examination also includes an investigation by the Examination Board into the knowledge, insight, and skills of the candidate, as well as the assessment of the outcomes of that investigation (in accordance with Article 7.10 WHW);
 - j. Fraud: any deliberate act or omission by a student that makes forming an accurate opinion of his or her knowledge, understanding, and skills partially or entirely impossible. The Regulations on Fraud during Interim Examinations and Examinations are included as an appendix to these EER;
 - k. *Examination Board*: the examination board of a degree programme, established in accordance with Article 7.12 of the Act. Also see the Radboud University Structural Regulations;



- I. *Examiner*: the person designated by the Examination Board to administer the interim examinations, in accordance with Article 7.12 of the Act;
- m. *EC*: European Credits, i.e. the study load unit in accordance with the European Credit Transfer System;
- n. *Specialisation*: a coherent programme within the Master's programme that has been approved as such by the faculty board;
- o. Work day: Mondays to Fridays, with the exception of official holidays and any other days designated by Radboud University as collective holidays;
- p. Awarding of the degree certificate: the formal confirmation that all the examination requirements have been met;
- q. *Prospectus*: the guide for a particular degree programme of the Faculty of Science, containing specific information regarding the Master's degree programme;
- r. The university: Radboud University;
- s. The faculty: The Faculty of Science;
- t. The education institute: the organisational unit responsible for the degree programme;
- u. Free elective: a freely-selected, academic, assessable component.
- v. *Rules and regulations*: the rules in which the Examination Board explain how it works in accordance with the Education and Examination Regulations.



PART II GENERAL PART

Section 2. Admission to the degree programme and education

Article 2.1 Admission and admission requirements

- 1. Decisions regarding admission are made by the education institute on behalf of the dean.
- 2. The programme-specific part of these EER lists the admission requirements the student must meet to be admitted to the degree programme.

Article 2.2 Language requirements

- 1. A sufficient command of the English language is required to participate in the programme and to sit for examinations in English. This requirement is met if the student:
 - a. comes from one of the following countries: Australia, Canada (with the exception of Quebec), Ireland, New Zealand, Singapore, the United Kingdom, the United States, and South Africa; or
 - b. is in possession of a pre-university education (VWO) diploma; or
 - c. is in possession of a pre-university education diploma obtained at an English-language institution in the Netherlands or elsewhere; or
 - d. has a pre-university education diploma obtained at a German secondary education institution, with English as *Grundkurs*; or
 - e. has a Bachelor's diploma from a university of applied sciences (HBO); or
 - f. has a Bachelor's diploma from a Dutch university; or
 - g. in the opinion of the programme meets the requirements; or
 - h. has achieved a sufficient score on one of the following English language tests:
 - i. the TOEFL with a score of 575 or higher for the paper version;
 - ii. the TOEFL with a score of 90 or higher for the Internet version with none of the sub-scores below 20;
 - iii. the IELTS with a score of 6.5 or higher, where none of the sub-scores are below 6.0;
 - iv. the Cambridge CAE or CPE with a score of C or higher.
- A sufficient command of Dutch is required to participate in the programme and to sit for examinations in Dutch. Non-Dutch students have met the language requirement for sufficient proficiency in Dutch if they have passed the state examination of Dutch as a second language, level
 2.

In certain cases, the education institute may assess whether a student is sufficiently proficient in Dutch.



Section 3. Structure and design

Article 3.1 Final examination, degree and distinctions

- 1. The degree programme is concluded by the Master's final examination.
- 2. A student who has passed the final examination of the Master's degree programme will be awarded the Master of Science (MSc) degree.
- 3. The degree referred to in the second paragraph is exclusively awarded if the student has earned at least half of the EC for their degree programme at this university.
- 4. The Examination Board can award a distinction to a student who has successfully passed the degree programme examination. The rules for awarding a distinction can be found in Article 4.7 of these EER.

Article 3.2 General learning outcomes

The degree programme has the following learning outcomes for students:

- a. Acquire knowledge, skills and insights in the relevant field of study;
- b. Develop academic competences;
- c. Prepare for further study or future career;
- d. Strengthen qualifications in the area of independent academic research.

Article 3.3 Curriculum

- The programme comprises the total of the components as described in the programme-specific
 part of these regulations and is aimed at the realisation of well-defined objectives regarding the
 knowledge, understanding and skills that students are expected to possess upon successful
 completion.
- 2. The programme has research specialisations and societal specialisations. The specialisations are described in the programme-specific part.
- 3. Each degree programme includes a component that is philosophical in nature with a minimum study load of 3 EC, free elective space of 6 EC and a component to aid reflection on study performance, study planning, and professional orientation with a study load of 0 or 1 EC.
- 4. The elective courses cannot have a substantial overlap in content with courses from the mandatory or elective components of the programme. It is not possible to receive an exemption for the elective component based on a Bachelor's course.
- 5. The composition of the Master's programme compiled by the student must be presented for approval to the Examination Board no later than three months before the expected examination date. The Examination Board will decide whether to grant approval within a month of receiving the submitted programme.
- 6. A student can only participate in components provided by the Radboud Teachers Academy of Education after the disciplinary internship has been completed. A student can only participate in the Science, Management and Innovation final research project after the student has passed the



- thematic components and NWI-FMT019 Methods in Societal Research: Science, Management & Innovation. A student can only participate in the Science in Society research project after 12 EC has been obtained from the SiS curriculum.
- 7. A student is permitted to add components to the examination programme. These components are considered extracurricular and do not count towards the determination of the distinction.
- 8. If a student can choose between components within the curriculum and the student has passed more than one of these components, then the student can decide which components will count towards their distinction.

Article 3.4 Type of interim examination

- 1. Each component of the degree programme will be concluded by an interim examination. Interim examinations may comprise more than one modular partial examination and may consist of the following assessment forms:
 - a. Written test (paper or digital);
 - b. Oral test;
 - c. Presentation;
 - d. Skill test;
 - e. The creation of a discipline-specific product and/or assignment.
- 2. Prior to the commencement of the academic year, information will be provided in the prospectus for each individual component regarding the way in which the interim examinations will be administered. At the request of the student or the examiner, the Examination Board may allow an interim examination to be administered in a form other than stated above, if this is not to the detriment of the student.
- 3. In cases where an interim examination has admission requirements, the admission requirements will be published in the prospectus before the start of the academic year, see Article 3.3 paragraph 6. This requires the permission of the programme coordinator. Contrary to the above provisions, the admission requirements for the courses completed in the fourth period may still be changed up until the start of the second period, with the permission of the programme coordinator.
- 4. There are no admission requirements for an interim examination; if a student is enrolled in a component, they are admitted to all sub-components including the interim examination.
- 5. Students with disabilities are given the opportunity to take interim examinations in a manner appropriately suited to their disability. The Examination Board, if necessary, shall seek expert advice and counsel prior to reaching its decision. If the students in question requires certain facilities for their interim examinations or resits, they must request these from the Education and Examination Administration of the faculty no later than two weeks before the interim examination or resit.
- 6. During oral examinations, no more than one person is tested simultaneously, unless decided otherwise by the Examination Board.



7. An oral interim examination is not public, unless the Examination Board has deemed otherwise in exceptional cases. An audio recording is made of oral interim examinations. As an alternative to an audio recording, a second examiner or a designated observer may be present.

Article 3.5 Exemptions

- 1. The Examination Board, at the request of a student and having heard the examiner involved, may exempt the student, either partially or fully, from sitting an interim examination if the student:
 - a. Has completed a course in a relevant subject at a university or institute of higher vocational education (HBO);
 - b. Demonstrates that they have adequate knowledge and skills regarding the component in question as a result of relevant work experience or professional experience.
- 2. If the degree programme allows group exemptions, then these are included in the programme-specific part of these regulations.
- 3. Only one grade for each course may be registered for a single degree programme. If a course is also part of another examination programme, this course will be listed on the diploma as an exemption.
- 4. Students who were first enrolled on or after 1 September 2017 can never have more exemptions, as stated in paragraph 1, than a quarter of the total study load of the programme expressed in EC.
- 5. All results for a degree programme achieved before the date of the first enrolment are stated as exemptions on the degree programme's diploma. These exemptions do not count towards the ECs as stated in paragraph 4 if the courses are only included in a one examination programme.
- 6. Exemptions as referred to in paragraph 1 and 2 cannot be granted for final examination assignments.

Article 3.6 Term of validity of successfully completed interim examinations

- 1. The term of validity of successfully completed interim examinations is unlimited.
- 2. Results obtained for interim examinations are valid at least until the end of the academic year. The lecturer can decide to extend the term of the validity of the result obtained for a partial examination.

Article 3.7 Elective programme

The programme's Examination Board determines whether to grant permission for a student to take an elective programme as meant in Article 7.3d of the Act. The Examination Board will verify whether the programme fits within the domain of the degree programme under the authority of the Examination Board, whether it is sufficiently coherent, and whether the level is adequate in the context of the programme's exit qualifications.



Section 4. Testing

Article 4.1 Frequency of interim examinations

- 1. Students are given the opportunity to take the examinations at least twice per academic year per interim examination.
- 2. Contrary to the provisions of paragraph 1, a degree programme coordinator may decide to only offer one opportunity for an interim examination or partial examination. If only one opportunity is given to take an interim examination or partial examination, this is stated in the programme prospectus before the start of the academic year.
- 3. Contrary to the stipulation in the first paragraph, there will be at least one opportunity in the following year to take an interim examination for a course that was taught for the final time in a particular academic year.
- 4. If a certain component is not given in a particular academic year, the opportunity to take the corresponding examination will be offered once in that academic year, as long as the interim examination is administered in written or oral form.

Article 4.2 Registration for course examinations

- 1. Students who register through OSIRIS for a component are also automatically registered for the first interim examination opportunity in the relevant academic year. This does not apply to students whose enrolment in the degree programme has not yet been completed.
- 2. Registration for an interim examination closes at 11:59 pm on the day preceding a period of five working days before the date of the interim examination, so that there are always five full working days between the deadline for registration for the interim examination in question and the date of that examination. The day on which the interim examination takes place is not included in this period of five working days.
- 3. A successfully passed examination may be taken again.
- 4. If a student resits an interim examination, the most recent result will determine the final result.

Article 4.3 Confirmation of examination results

1. The result of an interim examination is determined by an examiner in the form of a grade on a scale from 1 to 10 (with 10 as the highest possible grade), consisting exclusively of whole numbers or half numbers. However, a grade of 5.5 is never given. When rounding off between 5 and 6, the rule applies that a grade lower than a 5.5 is rounded down to a five (5) which is an insufficient grade, meaning the educational component has not been successfully completed; while a 5.5 and higher is rounded up to a six (6), meaning that this educational component has been successfully completed. In addition to results in the form of a grade, the assessments "completed", "not completed", "satisfactory", "not satisfactory", and "good" may also be awarded.



2. Contrary to the provisions of paragraph 1, partial examinations may also be graded with one decimal point on a 10-point scale. Rounding off grades is done exclusively for the final grade.

Article 4.4 Publication of results

- 1. The examiner shall determine the result of a thesis within 15 working days after its submission via http://thesissubmission.science.ru.nl.
- 2. The examiner shall determine the result of an oral examination within two working days of the date that it was administered.
- 3. The examiner shall determine the result of a written interim examination within 15 working days of the date it was administered. Here the precondition applies that there must be at least ten working days between the date of the publication of the result in Osiris and the date of the resit.
- 4. Contrary to the provisions in paragraph 3, the examiner shall determine the result of a written interim examination in the fourth period no later than nine days before the scheduled date of the corresponding resit. The examiner shall determine the result of a written resit examination in the fourth period within five working days of the date it was administered.
- 5. In special cases, the Examination Board may extend the term in which the result must be determined as referred to in paragraph 3 by a maximum of ten working days. This is not possible for interim examinations in the fourth period.
- 6. In this statement of the result of an interim examination, the student is also informed of their right of inspection, referred to in Article 4.5 as well as the right to appeal to the Examination Appeals Board.
- 7. A student may submit an appeal of a decision by the Examination Board to the Examination Appeals Board within six weeks.

Article 4.5 Right of inspection and explanation

- 1. Within at least 30 working days following publication of a written interim examination result, the student may request access to review and inspect all graded work. For the results of interim examinations with "open" questions, at the student's request they shall be granted a copy of their graded work at cost.
- 2. During the period referred to in paragraph 1 of this Article, any student who has taken an interim examination may review the questions and assignments of the interim examination in question, as well as the standards on which the result was based.
- 3. Inspection or explanation as referred to in paragraph 1 and 2 shall take place during at least one scheduled moment before the start of the interim examination. If the student demonstrates that they are or were unable to attend an inspection at a determined place and time due to force majeure, they may request the Examination Board to allow them another opportunity to inspect the examination, if possible within the period referred to in the first paragraph.



- 4. In all cases, the inspection must take place a minimum of five working days before the resit of an interim examination. For examinations in the fourth period, the student may view their work until one working day before the resit.
- 5. The examiner shall retain all written interim examinations and related papers (assignments or otherwise) that count towards the final result for a period of two years following the date when the examination was administered. Master's programme reports and theses must remain available for visitations, accreditations and inspections and shall be kept for seven years.

Article 4.6 Confirmation of the result of the final examination

- 1. The student is given the opportunity to take the final examination after they have provided sufficient proof that they have passed the components leading up to the final examination.
- 2. Examinations are scheduled each month.
- 3. The Examination Board will determine the result of the final examination, as well as the rules in relation to the manner in which the result of the examination is determined. The result of the examination is determined by the Examination Board within five weeks following the student's request. If the examination took place in July, the results will be determined no later than 31 August. In relation to entry requirements for a subsequent programme or the acceptance of a job, if required, a statement can be provided within 5 days indicating that the student has met the requirements of the examination. This is only possible if the student has met the criteria specified in paragraph 1.
- 4. Prior to determining the result of the final examination, the Examination Board may evaluate and assess the student's knowledge with respect to one or more components or aspects of the programme, if and to the degree to which the results of the related interim examinations justify this.

Article 4.7 Awarding distinctions

- 1. With due observance of the provisions set out in this Article, the Examination Board is responsible for the decision of whether a distinction shall be awarded and if so, which distinction.
- 2. The distinctions:
 - a. "cum laude" shall be awarded if the weighted average result of the assessments of all components with less than 20 EC is at least equal to an 8.0 and the weighted average result of the assessments of all components with 20 EC or more is at least equal to an 8.0.
 - b. "summa cum laude" shall be awarded if the weighted average result of assessments of all components with less than 20 EC is equal to a 9.0 and the weighted average result of the assessments of all components with 20 EC or more is at least equal to a 9.0.
- 3. The distinction shall be calculated on the basis of all components of the examination programme for which a mark has been awarded on a scale from 1 to 10, with the exception of extra-curricular components.



- 4. The number of EC of the component referred to in paragraph 3 shall serve as the weighting factor for the calculation of the weighted average result, unless stipulated otherwise in the programme-specific part of these regulations.
- 5. The distinction shall not be awarded if more than 10 percent of the total study load of the examinations for the degree programme (being one or more components) has been re-sat or if interim examinations have been re-sat more than once, unless the Examination Board decides otherwise, stating the reasons for this decision.

Section 5. Study performance, guidance, and evaluation of education

Article 5.1 Study performance and support

- 1. The faculty dean is responsible for recording student results in such a way that, upon request, the Examination Board can respond by providing the student with an overview of the progress of the study programme within a reasonable timeframe.
- 2. The dean is responsible for providing adequate student counselling.

Article 5.2 Method of evaluation of education

In compliance with the quality assurance system of the university as described in the Handboek Kwaliteitszorg Onderwijs Radboud Universiteit (Radboud University quality assurance manual), the dean shall ensure that the education of the degree programmes is systematically evaluated.



PART III PROGRAMME-SPECIFIC PART

Section 6. Admission to the degree programme and education

Article 6.1 Admission requirements

Admission requirements for the programme:

- a. Students who have successfully passed the final examination of the Bachelor's programme in Chemistry at Radboud University.
- b. Students must have successfully passed the final examination of the Bachelor's programme in Molecular Life Sciences at Radboud University.
- c. Students must have successfully passed the final examination of the Bachelor's programme in Science at Radboud University.
- d. Students must be in possession of a degree certificate that is at least equal to the degree referred to in Article 6.1 paragraph a, b, or c.
- e. Or otherwise have demonstrated suitability for participation in the degree programme, in the opinion of the degree programme.
- f. And students must provide proof of sufficient proficiency in English, as described in Article 2.2.

Article 6.2 Pre-Master's

Students who have completed a degree in a related area at a university of applied sciences (HBO) and have completed the Pre-Master's programme curriculum of a maximum of 60 EC are also eligible for admission to the degree programme.

Section 7. Structure and design

Article 7.1 Programme-specific learning outcomes

Master's programme:	Molecular Sciences graduates	
Knowledge and understanding	 Graduates have knowledge and understanding of current molecular sciences subjects that is founded upon and extends that of the Bachelor's level of various molecular sciences programmes. Graduates are also familiar with the use of advanced experimental approaches, providing the basis for originality in developing and applying ideas within a research context. 	
Applying knowledge and understanding	 Graduates have the ability to apply their knowledge, understanding, and problem-solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to chemical sciences. 	
Making judgments	 Graduates are able to critically evaluate research questions and results and defend points of view and conclusions. Graduates can give feedback in writing and orally. Graduates have the skills to critically read and interpret the scientific literature and apply new developments and experimental approaches in their specialised domain. Graduates can evaluate ethical and societal issues associated with biomolecular research and its applications. 	
Communication	Graduates have the ability to communicate their conclusions, including the knowledge and rationale underpinning these, to specialist and non-specialist audiences clearly and unambiguously.	



	Graduates can function in a research team and in a multidisciplinary academic research setting.
Lifelong learning skills	 Graduates have strategic, critical thinking and problem solving abilities Graduates can, in the context of a research team, develop and execute research and communicate the results and implications with peers; Graduates can incorporate and interpret new knowledge and insights into existing scientific theories; Graduates are able to adjust and redefine hypotheses and models explaining processes at the molecular level Graduates can respond to ethical, societal and global considerations in practicing their profession;

In addition to the general learning outcomes described in the general part of these regulations, the Molecular Life Sciences degree programme aims to achieve the following learning outcomes:

- 1. Students who choose a content/research-oriented specialisation, will also achieve the following learning outcomes upon graduation:
 - a. Graduates can, based on specialised knowledge and research experience in two subspecialisations within the field of Molecular Life Sciences, independently set up and perform experiments, design appropriate checks and evaluate the results in a given time frame;
 - b. Graduates are able to independently write the basis for a scientific publication or research proposal;
 - c. Graduates can, based on a critical analysis of research results, break new ground in research areas;
 - d. Graduates can, in addition to their current specialisations, work at a specialist level in another branch of Molecular Life Sciences.
- 2. Students who choose the Science, Management and Innovation specialisation will also achieve the following learning outcomes:
 - a. Graduates are capable of bridging the gap between their own discipline and other disciplines, based on a profound understanding of the chosen core theme and how this relates to societal, political, economic, and environmental requirements of the world today;
 - b. Graduates are familiar with and capable of analysing specific problems within their theme and are able to apply a range of approaches to address these, argue for, select, and implement feasible options, taking into account the full width of technological, societal, political and economic perspectives;
 - c. Graduates are proficient in using research methods and techniques, including basic finance and economics, to verify, justify and substantiate strategies and plans and are capable of effectively using a wide variety of information and communication channels;
 - d. Graduates are capable of balancing perspectives and interests in specific contexts within a company or (non-)governmental organisation in order to formulate appropriate strategies and plans regarding the implementation of the Sustainable Development Goals (SDGs);
 - e. Graduates are capable of communicating insights, views and analyses of complex issues to others in a clear, concise and understandable manner, both in written and spoken form;
 - f. Graduates are capable of working in multidisciplinary, multicultural and high-performance teams based on sound division of tasks, knowledge, competencies, and responsibilities, whilst respecting diverging views and opinions.
- 3. Students who choose the Science in Society specialisation will also achieve the following learning outcomes:



- a. Graduates are capable of analysing the role of scientific expertise in societal and political decision-making with regard to socio-scientific issues;
- Graduates are capable of designing and conducting independent and methodologically sound social research at the interface of science and society and are capable of contributing to academic research;
- c. Graduates are capable of understanding and designing public and stakeholder participation processes in research and innovation;
- d. Graduate are capable of analysing, improving and evaluating interdisciplinary collaborations with multiple stakeholders and integrating different perceptions, interests and types of knowledge (experiential, professional and scientific);
- e. Graduates are capable of substantiating and communicating the relevance of one's scientific discipline in society.
- 4. Students who choose the Science and Education specialisation will also achieve the following learning outcomes:
 - a. Graduates have knowledge of and insight into the theoretical principles of discipline-specific thinking, educational design, and the methods and techniques of applying didactic research in the discipline;
 - b. Graduates are able to design, implement and systematically evaluate an educational design and a scientific study, drawing a link between didactic and professional practice concepts, discipline-specific thinking of the students at different levels and problems from teaching practice.
 - c. Graduates devote attention to discipline-specific learning of individual and unique students, focusing on developing inspiring education;
 - d. Graduates are able to apply thorough scientific knowledge of general didactic concepts about the learning of individual students and methods to improve both the social climate in the classroom and to answer the individual learning needs of the students;
 - e. Graduates are able to differentiate themselves and improve the social climate for collaboration and, in doing so, to set independent priorities and respond appropriately to development and behavioural problems, after consultation with relevant third parties;
 - f. Graduates focus on collaboration and responsible behaviour based on clear communication with individual students and colleagues, on the basis of a personal vision;
 - g. Graduates develop their own professional knowledge base to justify their own actions and understand the actions of colleagues and supervisors;
 - h. Graduates use their professional knowledge base and contextual feedback (students, colleagues, and supervisors) to evaluate and guide their own professional development;
 - i. Graduates develop a personal identity in the context of their own actions, external frameworks and ethical dilemmas.

Article 7.2 Composition of the programme

- 1. Subject to the provisions in Part II of these regulations, the student chooses one of the following specialisations of the degree programme:
 - a. Chemistry of Life
 - b. Medicinal Chemistry
 - c. Molecular Chemistry
 - d. Physical Chemistry
 - e. Science, Management and Innovation



- f. Science in Society
- g. Science and Education
- 2. The programme for the research specialisations a, b, c, and d is described under Article 7.2a, 7.2b, 7.2c, and 7.2d. The programme for the societal specialisations e, f, and g is described under Article 7.2e, 7.2f, ad 7.2g.

Article 7.2a Chemistry of Life

The Master's programme in Molecular Sciences with specialisation Chemistry of Life consists of the following components:

1. Education specialisation (15 EC)

Course code	Course name		EC
NWI-MOL418	Chemical Biology	(6
NWI-MOL414	Chemical Discovery and Design	3	3
NWI-BM064	Protein Dynamics and Networks	3	3
NWI-MOL410	Omics	3	3

2. Internship: practical work, presentation, and report (NWI-MOL501A, 44 EC)

The internship should be related to the specialisation and must be approved by the internship coordinator before starting. The programme will publish a prospectus annually containing an overview of suitable internship departments. The internship can be done externally.

3. Internship or broadening of the programme (30 EC)

Choice of a second internship or university courses at least above second-year Bachelor's level that were not taken before.

- You can choose your own internship (NWI-MOL502A), but it needs to be approved by the internship coordinator prior to the start. Supervision of this internship and the specialisation-related internship within the degree programme by the same chair group is not allowed, unless one of the internships is completed externally at a different university or at an institute or company at a university level.
- Education can consist of courses within the exact science domain including mathematics and computer science and/or courses from the (bio)medical sciences and/or a coherent package of at least 15 EC of non-scientific courses.

4. Programme-specific Master's elective space (6EC)

Master's courses in the field of exact science, including mathematics and computer science, from the (bio)medical sciences and/or courses in the societal specialisations. Master's in Science, Mathematics, and Computer Science is approved provided there is no overlap with other courses in the programme.

5. Electives (9 EC)



9 EC to be added to 2, 3 or 4 mentioned above.

6. Literature thesis (6 EC)

Course code	Course name	EC
NWI-MOL601	Literature thesis	6

7. Career orientation (1 EC)

Course code	Course name	EC
NWI-MOL412	Career Orientation	1

8. Philosophical course (3 EC)

To choose from:

Course code	Course name	EC
NWI-FFIL202A	Evolution and the Mind	3
NWI-FFIL203B	Bio-ethics for Life Scientists	3
NWI-FFIL209B	Environmental Ethics	3
NWI-FFIL211B	Physics and Philosophy	3
NWI-FFIL212	Philosophy of Water Management	3
NWI-FFIL215	Upgrading the Human	3
NWI-FFIL216	Imagining the Anthropocene	3
NWI-FFIL217	Science and Arts	3
NWI-FFIL218	Science and Values	3
NWI-FFIL300C	Philosophy of Mathematical Practice	3

9. Free electives (6 EC)

The degree programme includes a free elective component with a minimum study load of 6 EC, to be filled with assessable courses at the academic level. The free electives may also be added to the internship in paragraph 3.



Article 7.2b Medicinal Chemistry

The Master's programme in Molecular Sciences with specialisation Chemistry of Life consists of the following components:

1. Education specialisation (15 EC)

Course code	Course name	EC
NWI-MOL418	Chemical Biology	6
NWI-MOL402	Systems Chemistry	3
NWI-MOL414	Chemical Discovery and Design	3
NWI-MOL404	Instrumental Analysis in (Bio)Molecular Chemistry	3

2. Internship: practical work, presentation, and report (NWI-MOL501A, 44 EC)

The internship should be related to the specialisation and must be approved by the internship coordinator before starting. The programme will publish a prospectus annually containing an overview of suitable internship departments. The internship can be done externally.

3. Internship or broadening of the programme (30 EC)

Choice of a second internship or university courses at least above second-year Bachelor's level that were not taken before.

- You can choose your own internship (NWI-MOL502A), but it needs to be approved by the internship coordinator prior to the start. Supervision of this internship and the specialisation-related internship within the degree programme by the same chair group is not allowed, unless one of the internships is completed externally at a different university or at an institute or company at a university level.
- Education can consist of courses within the exact science domain including mathematics and computer science and/or courses from the (bio)medical sciences and/or a coherent package of at least 15 EC of non-scientific courses.

4. Programme-specific Master's elective space (6EC)

Master's courses in the field of exact science, including mathematics and computer science, from the (bio)medical sciences and/or courses in the societal specialisations. Master's in Science, Mathematics, and Computer Science is approved provided there is no overlap with other courses in the programme.

5. Electives (9 EC)

9 EC to be added to 2, 3 or 4 mentioned above.

6. Literature thesis (6 EC)

Course code	Course name	EC
NWI-MOL601	Literature thesis	6



7. Career orientation (1 EC)

Course code	Course name	EC
NWI-MOL412	Career Orientation	1

8. Philosophical course (3 EC)

To choose from:

Course code	Course name	EC
NWI-FFIL202A	Evolution and the Mind	3
NWI-FFIL203B	Bio-ethics for Life Scientists	3
NWI-FFIL209B	Environmental Ethics	3
NWI-FFIL211B	Physics and Philosophy	3
NWI-FFIL212	Philosophy of Water Management	3
NWI-FFIL215	Upgrading the Human	3
NWI-FFIL216	Imagining the Anthropocene	3
NWI-FFIL217	Science and Arts	3
NWI-FFIL218	Science and Values	3
NWI-FFIL300C	Philosophy of Mathematical Practice	3

9. Free electives (6 EC)

The degree programme includes a free elective component with a minimum study load of 6 EC, to be filled with assessable courses at the academic level. The free electives may also be added to the internship in paragraph 3.

Article 7.2c Molecular Chemistry

The Master's programme in Molecular Sciences with specialisation Molecular Chemistry consists of the following components:

1. Education specialisation (15 EC)

Course code	Course name	EC
NWI-MOL402	Systems Chemistry	3
NWI-MOL404	Instrumental Analysis in (Bio) Molecular Chemistry	3
NWI-SM302	Advanced Organic Synthesis	3



NWI-SM019A	Polymer Chemistry	3
NWI-SM292A	Molecular Materials	3

2. Internship: practical work, presentation, and report (NWI-MOL501A, 44 EC)

The internship should be related to the specialisation and must be approved by the internship coordinator before starting. The programme will publish a prospectus annually containing an overview of suitable internship departments. The internship can be done externally.

3. Internship or broadening of the programme (30 EC)

Choice of a second internship or university courses at least above second-year Bachelor's level that were not taken before.

- You can choose your own internship (NWI-MOL502A), but it needs to be approved by the internship coordinator prior to the start. Supervision of this internship and the specialisation-related internship within the degree programme by the same chair group is not allowed, unless one of the internships is completed externally at a different university or at an institute or company at a university level.
- Education can consist of courses within the exact science domain including mathematics and computer science and/or courses from the (bio)medical sciences and/or a coherent package of at least 15 EC of non-scientific courses.

4. Programme-specific Master's elective space (6EC)

Master's courses in the field of the exact sciences, including mathematics and computer science, from the (bio)medical sciences and/or courses in the societal specialisations. Master's in Science, Mathematics, and Computer Science is approved provided there is no overlap with other courses in the programme.

5. Electives (9 EC)

9 EC to be added to 2, 3 or 4 mentioned above.

6. Literature thesis (6 EC)

Course code	Course name	EC
NWI-MOL601	Literature thesis	6

7. Career orientation (1 EC)

Course code	Course name	EC
NWI-MOL412	Career Orientation	1

8. Philosophical course (3 EC)

To choose from:



Course code	Course name	EC
NWI-FFIL202A	Evolution and the Mind	3
NWI-FFIL203B	Bio-ethics for Life Scientists	3
NWI-FFIL209B	Environmental Ethics	3
NWI-FFIL211B	Physics and Philosophy	3
NWI-FFIL212	Philosophy of Water Management	3
NWI-FFIL215	Upgrading the Human	3
NWI-FFIL216	Imagining the Anthropocene	3
NWI-FFIL217	Science and Arts	3
NWI-FFIL218	Science and Values	3
NWI-FFIL300C	Philosophy of Mathematical Practice	3

9. Free electives (6 EC)

The degree programme includes a free elective component with a minimum study load of 6 EC, to be filled with assessable courses at the academic level. The free electives may also be added to the internship in paragraph 3.

Article 7.2d Physical Chemistry

The Master's programme in Molecular Sciences with specialisation Molecular Chemistry consists of the following components:

1. Education specialisation (15 EC)

Course code	Course name	EC
NWI-SM297	Molecular Modelling	3
or NWI-MOL406	Quantum Chemistry	3
NWI-MOL409	Advanced Spectroscopy	6
NWI-MOL408	Physical Chemistry of Molecular Aggregates	3
NWI-MOL407	Materials Science	3

2. Internship: practical work, presentation, and report (NWI-MOL501A, 44 EC)

The internship should be related to the specialisation and must be approved by the internship coordinator before starting. The programme will publish a prospectus annually containing an overview of suitable internship departments. The internship can be done externally.

3. Internship or broadening of the programme (30 EC)



Choice of a second internship or university courses at least above second-year Bachelor's level that were not taken before.

- You can choose your own internship (NWI-MOL502A), but it needs to be approved by the internship coordinator prior to the start. Supervision of this internship and the specialisation-related internship within the degree programme by the same chair group is not allowed, unless one of the internships is completed externally at a different university or at an institute or company at a university level.
- Education can consist of courses within the exact science domain including mathematics and computer science and/or courses from the (bio)medical sciences and/or a coherent package of at least 15 EC of non-scientific courses.

4. Programme-specific Master's elective space (6EC)

Master's courses in the field of the exact sciences, including mathematics and computer science, from the (bio)medical sciences and/or courses in the societal specialisations. Master's in Science, Mathematics, and Computer Science is approved provided there is no overlap with other courses in the programme.

5. Electives (9 EC)

9 EC to be added to 2, 3 or 4 mentioned above.

6. Literature thesis (6 EC)

Course code	Course name	EC
NWI-MOL601	Literature thesis	6

7. Career orientation (1 EC)

Course code	Course name	EC
NWI-MOL412	Career Orientation	1

8. Philosophical course (3 EC)

To choose from:

Course code	Course name	EC
NWI-FFIL202A	Evolution and the Mind	3
NWI-FFIL203B	Bio-ethics for Life Scientists	3
NWI-FFIL209B	Environmental Ethics	3
NWI-FFIL211B	Physics and Philosophy	3
NWI-FFIL212	Philosophy of Water Management	3
NWI-FFIL215	Upgrading the Human	3



NWI-FFIL216	Imagining the Anthropocene	3
NWI-FFIL217	Science and Arts	3
NWI-FFIL218	Science and Values	3
NWI-FFIL300C	Philosophy of Mathematical Practice	3

9. Free electives (6 EC)

The degree programme includes a free elective component with a minimum study load of 6 EC, to be filled with assessable courses at the academic level. The free electives may also be added to the internship in paragraph 3.

Article 7.2e Science, Management and Innovation

The Master's programme in Molecular Sciences with the specialisation Science, Management and Innovation consists of the following components:

1. Exact Sciences Master's course (15 EC)

Master's courses offered within the Faculty of Science are approved, with the exception of courses offered within the social specialisations and if there is no overlap with the other programme components.

2. Natural Sciences research (29 EC)

This contains the following components:

- Internship: practical work, presentation, and report (NWI-MOL501A, at least 23 EC)
- Optional research-related specialisation course(s) (maximum of 6 EC)

The internship must be approved in advance by the internship coordinator. The programme will publish a prospectus annually containing an overview of suitable internship departments.

3. Free electives (9 EC)

To be filled with Master's courses, as stated under 1 above, or in combination with a literature review (NWI-MOL601, 6 EC), or to be used to extend the natural sciences internship as stated under 6.

4. Career orientation (1 EC)

Course code	Course name	EC
NWI-MOL412	Career Orientation	1

5. Philosophical course (3 EC)

To choose from:



Course code	Course name	EC
NWI-FFIL202A	Evolution and the Mind	3
NWI-FFIL203B	Bio-ethics for Life Scientists	3
NWI-FFIL209B	Environmental Ethics	3
NWI-FFIL211B	Physics and Philosophy	3
NWI-FFIL212	Philosophy of Water Management	3
NWI-FFIL215	Upgrading the Human	3
NWI-FFIL216	Imagining the Anthropocene	3
NWI-FFIL217	Science and Arts	3
NWI-FFIL218	Science and Values	3
NWI-FFIL300C	Philosophy of Mathematical Practice	3

6. Compulsory courses (15 EC)

Course code	Course name	EC
NWI-FMT003E	Innovation Management	6
NWI-FMT0234	Policy and Economics	3
NWI-FMT006A	Entrepreneurship: Making a Business Plan	3
NWI-FMT019	Methods in Societal Research: Science, Management & Innovation	3

7. Theme courses (12 EC)

Choice of one of the themes:

Climate and Energy

Course code	Course name	EC
NWI-FMT022	Energy and Climate	6
NWI-FMT026	Energy Modelling	3
NWI-MM020A	Environmental Life Cycle Assessment	3

Health

Course code	Course name	EC
NWI-FMT023	The Future of Health	6



NWI-FMT029	How Health Systems Work	6

8. Science, Management and Innovation final research project (30 EC)

The SMI research project may, in consultation with the coordinator or a lecturer from the SMI specialisation, be completed both internally (at the Faculty of Science) or externally (government, businesses, consulting firms, NGOs, etc.), in the Netherlands or abroad. In the first month, the student will write a research plan which must be approved by both the external and first supervisor as well as the second reader. The assessment of the thesis is based on the criteria described in the manual "Doing a research project: A guide for students of the Science, Management & Innovation Master's specialisation".

9. Free electives (6 EC)

The degree programme includes a free elective component with a minimum study load of 6 EC, to be filled with assessable courses at the academic level.

Article 7.2f Science in Society

The Master's programme in Molecular Sciences with the specialisation Science in Society consists of the following components:

1. Exact sciences Master's course (15 EC)

Master's courses offered within the Faculty of Science are approved, with the exception of courses offered within the social specialisations and if there is no overlap with the other programme components.

2. Natural sciences research (29 EC)

This contains the following components:

- Internship: practical work, presentation, and report (NWI-MOL501A, at least 23 EC)
- Optional research-related specialisation course(s) (maximum of 6 EC)

The internship must be approved in advance by the internship coordinator. The programme will publish a prospectus annually containing an overview of suitable internship departments.

3. Free electives (9 EC)

To be filled with Master's courses, as stated under 1 above, or in combination with a literature review (NWI-MOL601, 6 EC), or to be used to extend the natural sciences internship as stated under 6.

4. Career orientation (1 EC)

Course code	Course name	EC



NWI-MOL412 Career Orientation 1

5. Philosophical course (3 EC)

To choose from:

Course code	Course name	EC
NWI-FFIL202A	Evolution and the Mind	3
NWI-FFIL203B	Bio-ethics for Life Scientists	3
NWI-FFIL209B	Environmental Ethics	3
NWI-FFIL211B	Physics and Philosophy	3
NWI-FFIL212	Philosophy of Water Management	3
NWI-FFIL215	Upgrading the Human	3
NWI-FFIL216	Imagining the Anthropocene	3
NWI-FFIL217	Science and Arts	3
NWI-FFIL218	Science and Values	3
NWI-FFIL300C	Philosophy of Mathematical Practice	3

6. Compulsory courses (24 EC)

Course code	Course name	EC
NWI-FC002B	Science and Societal Interaction	3
NWI-FC003B	Research, Responsibility and Uncertainty	3
NWI-FC0010D	Framing Knowledge	6
NWI-FC0013C	Science and Media	3
NWI-FC0043B	Science and Public Policy	3
NWI-FC0044C	Methods of Societal Research: Science in Society	6

7. Limited choice electives (3 EC)

To be filled with components related to the topic of the thesis. These components must be presented for approval to the SiS coordinator.

8. Science in Society research project (30 EC)

In consultation with a SiS lecturer, the SiS graduation project can be completed both internally (at the ISIS department) or external (government, consulting firms, NGOs, etc.). In the first month, the student will write a research plan which must be approved by both the first supervisor as well as a second



reader. The assessment of the thesis is based on the criteria described in the "Graduation project guidelines SiS".

9. Free electives (6 EC)

The degree programme includes a free elective component with a minimum study load of 6 EC, to be filled with assessable courses at the academic level.

Article 7.2g Science and Education

The Master's programme in Molecular Sciences with the specialisation Science, Management and Innovation consists of the following components:

1. Exact sciences Master's course (15 EC)

Master's courses offered within the Faculty of Science are approved, with the exception of courses offered within the social specialisations and if there is no overlap with the other programme components.

2. Natural Sciences research (29 EC)

This contains the following components:

- Internship: practical work, presentation, and report (NWI-MOL501A, at least 23 EC)
- Optional research-related specialisation course(s) (maximum of 6 EC)

The internship must be approved in advance by the internship coordinator. The programme will publish a prospectus annually containing an overview of suitable internship departments.

3. Free electives (6 EC)

To be filled with Master's courses, as stated under 1 above, or a literature review (NWI-MOL601), or to be used to extend the natural sciences internship as stated under 6.

4. Career orientation (1 EC)

Course code	Course name	EC
NWI-MOL412	Career Orientation	1

5. Philosophical course (3 EC)

This can be filled with courses from the list under Article 7.2a paragraph 6.

6. Science and Education (60 EC)

The Science and Education specialisation includes the following components with the accompanying study load:

- a. Series of lectures (5 EC)
- b. Self-evaluation 1 (10 EC)
- c. Supervised internship (15 EC)



- d. Design and research (10 EC)
- e. Self-evaluation 2 (5 EC)
- f. Independent internship (15 EC)

These components are provided by the Radboud Teachers Academy. If, due to the successful completion of the education minor during the Bachelor's programme or for other reasons, a portion of the above-mentioned components need not be followed, the corresponding number of EC must be filled with programme-specific components.

Admission to the components of the Radboud Teachers Academy, with the aim of earning a first degree teaching qualification in Chemistry or Biology, is granted after an assessment of the content of the Molecular Life Sciences Bachelor's and Master's programme which the student has chosen. This assessment is conducted by the responsible teaching professional at the Radboud Teachers Academy.

7. Free electives (6 EC)

The degree programme includes a free elective component with a minimum study load of 6 EC, to be filled with assessable courses at the academic level.

Article 7.3 Deviating programme

If a student does not choose a specialisation, they must submit a motivated request for permission to the Examination Board for an alternative course selection for the Master's programme. The submitted course selection must include at least a coherent selection of 15 EC of Natural Sciences Master's courses and a programme-specific internship.



PART IV FINAL PROVISIONS

Section 9. Final provisions

Article 9.1 Safety net scheme and hardship paragraph

- 1. In all cases not covered fully or clearly by these regulations, the decision lies with the dean.
- 2. In all cases in which these regulations may result in an unreasonable or unfair situation for individual students, the Examination Board or the dean is authorised to make an exception to the provisions in these Education and Examination Regulations.

Article 9.2 Establishment and amendments

- 1. Contrary to the provisions in Article 7 of the Structure Regulations, these regulations are drawn up or amended by the dean after receiving advice from the programme committees and after having obtained the approval of the Joint Assembly of the faculty.
- 2. An amendment to these regulations has no impact on the current academic year, unless this would disproportionately damage the interest of the students.
- 3. By way of derogation from paragraph 1, the dean is authorised to drop elective components of the curriculum should the circumstances be deemed impossible to offer the course.

Article 9.3 Entry into force

These regulations enter into force on 1 September 2020.

Article 9.4 Publication

- 1. The dean is responsible for publishing these regulations and any amendments thereto.
- 2. Interested parties may consult these regulations via the prospectus.

As established by the dean on 15 July 2020.



APPENDIX I REGULATIONS FOR FRAUD DURING EXAMINATIONS

Section 1. Introductory provisions

Article 1. Objective of the regulations

- To prevent fraud during examinations as specified in Article 7.12b of the Higher Education
 Act, the Executive Board of Radboud University (hereinafter: RU) has adopted the following
 regulations.
- 2. In order to coordinate the provisions in these regulations between faculties, the regulations have been created by the Executive Board as a comply or explain scheme.

Article 2. Scope of the regulations

- 1. With the exception of the provision in this appendix, these regulations apply to all of the initial degree programmes at RU and the students enrolled in them.
- 2. In the event of a separate decision by the Executive Board, components of these regulations may be declared to apply mutatis mutandis to other educational offerings from RU.

Article 3. Definition of terms

The terms used in these regulations, which are also used in the Higher Education and Research Act (Wet op het hoger onderwijs en wetenschappelijk onderzoek, hereinafter, "the Act") will have the same meaning as these terms have in the Act.

Section 2. Definition of fraud, procedure, and sanctions

Article 4. Definition of fraud

- 1. Fraud at RU is defined as any behaviour or negligence on the part of the student that, by nature, is directed towards making it partly or entirely impossible to properly assess the knowledge, insights, and skills of the student or of another student.
- 2. Fraud in general is defined as:
 - a. fraud when taking written examinations, including
 - i. having tools at one's disposal that have not been authorised in accordance with the Regeling Huisregels Tentamenruimten RU (RU house rules for examination rooms);
 - ii. looking at the work of others or exchanging information;
 - iii. impersonating someone else or allowing someone else to represent oneself during an interim examination;
 - b. fraud when writing theses or other papers, including
 - i. plagiarism in the sense of using or including the another person's texts, data, or ideas without fully and correctly citing the source; plagiarism in the sense of using the work of another student and presenting it as one's own; and other forms of plagiarism specific to academia



- ii. the fabrication or falsification of research data
- iii. the submission of a thesis or other paper that has been written by someone else
- c. other fraud during examination, including
 - i. acquiring the questions, answer sheets, or other similar information prior to the time of the examination
 - ii. changing answers to questions on an examination after it has been submitted for assessment
 - iii. providing incorrect information when requesting exemption, an extension of the validity period, and other similar requests regarding an examination.
- 3. Any attempt at fraud will also be considered fraud in the sense of these regulations.

Article 5. Procedure for suspected fraud

- 1. In the event that fraud is suspected, the Examination Board or the examiner will immediately inform the student. If fraud is suspected while an exam is being given, then the Examination Board or the examiner will provide the student with the opportunity to complete the exam.
- 2. The Examination Board or the examiner may order the student to provide the materials involved in the suspicion of fraud.
- 3. The Examination Board or the examiner will draw up a report of the suspected fraud. If the examiner draws up the report, they will send it to the Examination Board immediately.
- 4. For the application of the provisions in paragraphs 1 and 2, the examiner is understood to include the invigilator or another RU staff member.

Article 6. Procedure for investigating and determining fraud

- The Examination Board will immediately make the report referred to in Article 5 available to
 the student and will begin an investigation into it. The Examination Board will provide the
 student with the opportunity to respond to the report in writing. The Examination Board will
 hear both the examiner and the student.
- 2. Within four weeks of making the report available to the student, the Examination Board will determine whether there is evidence of fraud. The Examination Board will inform both the student and the examiner of its decision in writing. The period of four weeks may be extended by two weeks.
- 3. If fraud is determined, the Examination Board will declare the examination in question to be invalid.
- 4. If fraud is determined, the Examination Board will document the identification of fraud and the sanctions imposed in the student's file.

Article 7. Sanctions

1. If the Examination Board determines an instance of fraud, it is able to:



- a. decide that the student is no longer able to sit for one or more exams during a period to be defined by the Examination Board, being no longer than a year;
- b. decide that no distinction will be granted on the student's diploma;
- c. recommend to the Dean of the Honours Academy that the student not be admitted into the honours programme of the university or faculty, or that the student's participation in the university or faculty honours programme be terminated.

If the Examination Board determines a serious instance of fraud, it is also able to

- d. recommend to the Executive Board that the student's enrolment in a degree programme be definitively terminated.
- 2. After serious fraud has been determined by the Examination Board, the Executive Board may definitively terminate the student's enrolment in a degree programme at the suggestion of the Examination Board.
- 3. The sanctions as specified in this provision will be imposed on the day following the date on which the student has been informed of the decision to impose the sanctions.

Section 3. Transitional provisions

(no transitional regulations)

Section 4. Final provisions

Article 8. Decisions and legal protection

- 1. Decisions on the basis of these regulations may be sent to the student digitally or by e-mail.
- 2. For decisions based on these regulations, the student is permitted to appeal the relevant decision within six weeks of the decision date to the Examination Appeals Board (EAB).

Article 9. Establishment and amendments

- 1. These regulations have been adopted by the Executive Board in accordance with the comply or explain principle.
- 2. If the content of these regulations relates to the duties and powers of the dean of the faculty or the duties and powers of the Examination Board of the degree programme, that content must be approved by the dean or the Examination Board. Without any explanation from the dean or the Examination Board as specified in paragraph 1, this approval is considered granted within five months of the regulations being adopted.

Article 10. Entry into force

In accordance with the provision in Article 9, these regulations will enter into force on 1 September 2018. On that date, these regulations will replace the preceding regulations.

Article 11. Publication

1. The Executive Board is responsible for publishing these regulations and any amendments thereto.



2. For the purposes of adequately and clearly informing the (prospective) student, the dean and the Examination Board include these regulations as an appendix to the Education and Examination Regulations (EER) and to the Rules and Guidelines of the degree programme every year.

Adopted by the Executive Board on 13 November 2017.

