



Education and Examination Regulations
(EER)

Master's programme in
Biomedical Sciences

faculty of medical sciences Radboudumc

Academic year 2024-2025

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Section 1. General provisions

Article 1. **Purpose of the regulations**

1. These education and examination regulations (hereinafter: regulations) list the current procedures and rights and obligations established for the teaching activities and final examination of the degree programme in Biomedical Sciences, Croho code 66990 (hereinafter: the programme). This programme was established by the Executive Board of Radboud University (hereinafter RU) and is taught by the Faculty of Medical Sciences of Radboud University, which is subsumed under Radboud university medical center.

Article 2. **Scope of the regulations**

These regulations apply to students who are enrolled in the programme described in Article 1 for the academic year 2024-2025, with reference to the transitional provisions set out in Section 10 of these regulations. The provisions in Section 2 of these regulations apply to students who enrol for that academic year.

Article 2a **Executive Board Guidelines**

1. With a view to the organization and coordination of the provisions in these regulations, the Executive Board has established the following guidelines
(See: <https://www.radboudnet.nl/onderwijs/werkwijze-regelingen/>).
 - a. Guideline for Distinction Regulations
 - b. Not applicable
2. The provisions in these Education and Examination Regulations apply without prejudice to the provisions of the guidelines referred to in Section 1.

Article 3. **Definitions**

1. Terms in these regulations that also appear in the Higher Education and Research Act (Dutch: Wet op het hoger onderwijs en wetenschappelijk onderzoek, hereinafter: HERA) have the meaning ascribed to them in the HERA.
2. Without prejudice to the first paragraph, in these regulations the following definitions apply:
 - a. Contact moment: One moment of teaching during which a lecturer is present (physically or online);
 - b. Working day: Monday to Friday, with the exception of public holidays as specified in the CAO of Dutch Universities and the collective free days designated by the Executive Board;

- c. Partial examination: An examination of the knowledge, understanding, and skills of the student, as well as the assessment of the results of this examination, which in coherence with one or more other partial examination constitutes the examination as referred to in Article 7.10, first paragraph, of the HERA. Where these regulations refer to examination, this term may also be taken to mean partial examination, unless stipulated otherwise.
- d. Examination date: The date on which the examination is administered by or on behalf of the examiner;
- e. Resit: An opportunity to resit an examination as referred to in Article 7.10, first paragraph, of the HERA;
- f. Assessment Regulations: Description of the form and components of an examination (partial examinations), the requirements for taking part in these components, and the manner in which the result is determined. In the BMS programme, the assessment regulations are not published as documents, but are included in the course information in Osiris. All the essential assessment information (assessment formats, scale, weights and minimum score to be achieved) is included in Osiris. These assessment data are proposed by course coordinators and approved annually by the Board of Examiners.
- g. Final paper: An assessment of the student's academic achievements in the programme's specific discipline;
- h. Registering: Required action on the part of the student to make it known that they wish to take part in a specific unit of study;
- i. Pre-Master's: A programme as referred to in Article 7.30e of the HERA intended to support students who do not meet the admission requirements;
- j. Regulations on Fraud: the Regulations on Fraud established by the dean through a separate decision. These regulations have been included here as Appendix IV.
- k. Regulations for RU Examination Rooms: The House Rules for RU Examination Rooms, as established by the dean in a separate decision. These regulations have been included as Appendix V.
- l. Appeal (letter): the written appeal against a dismissive decision to an objection by a body, submitted to a higher authority. (NB appeal is different from objection: a written document with which an interested party can submit an objection against a decision of a body (e.g. the Board of Examiners), requesting that decision to be reconsidered. One can always object to a test result, also for partial tests. An appeal to the Examinations Appeals Board (Dutch: [College van Beroep voor de Examens](#)) is only possible with regard to an entire examination.
- m. UMC-Raad: The Faculty Joint Assembly of Radboud university medical center;
- n. Specialisation coordinator: a Radboudumc professional responsible for the cohesiveness between the specialisation courses and for student coaching within a specialisation. The specialisation coordinators represent and evaluate the

specialisation and foster cohesiveness, depth, and structure in the specialisation itself.

- o. Profile: Differentiation programme within the degree programme;
- p. Prospective student: Person who plans to enrol in the relevant programme;
- q. Osiris: The study information system in which students can register for courses and examinations, and where grades are recorded.

3. Where these regulations refer to student, in most cases, this term also includes prospective student, unless stipulated otherwise.

Section 2. Admission to the programme

Article 4. **Enrolling in the programme**

1. The Executive Board enrolls a student who meets the admission requirements and procedures for enrolment at Radboud University, as referred to in Chapter IV of the Radboud University Enrolment Regulations (see: <https://www.ru.nl/en/about-us/policies-and-regulations/educational-policies-and-regulations>).
2. In order to provide the prospective student with adequate and clear information, the admission requirements and procedures referred to in the first paragraph have been included in these regulations as Appendix I.

Article 4a **Pre-Master's programme**

1. The option of taking part in a Pre-Master's programme is offered to facilitate the transfer to the programme of a student with a related Bachelor's degree that does not meet the programme's admission requirements. The Pre-Master's programme, with corresponding admission requirements, is included in Appendix I of these regulations.
2. The rules with respect to registration for this pre-master have been laid down by the executive board, in a separate decision and these rules have been included in the Registration Regulations of Radboud University.

Article 5. **Decision concerning admission**

1. The admission committee decides, on behalf of the executive board, on the student's admission to the programme.

Section 3. Access to courses and examinations

Article 6. **Registering for teaching activities and examinations**

1. Any student who has registered for the teaching activities and examinations of the educational units included in the programme in accordance with applicable procedures and in timely fashion, and who, where applicable, meets the admission requirements set out in these regulations, will be registered for the relevant teaching activities, including the accompanying examinations and partial examinations (first opportunity).
2. Registration for teaching activities and examinations is not dependent on any monetary contribution other than the tuition fees, unless costs should be involved, to be determined by the dean in a separate decision, with respect to participation in any practical exercises, educational excursions or workshops in the degree programme that follow from the special nature of the programme. If such costs are involved, these costs are listed for information purposes in Appendix III. The dean offers an alternative, free of charge, unless the educational facility cannot be replaced.

Article 7. **Registering and deregistering for educational units**

1. The student must register through Osiris for the teaching activities and accompanying examinations of the educational units of the programme they are enrolled in in the manner described in Appendix III.
2. The student can exclusively register for educational units during the registration period laid down for the respective educational unit by or on behalf of the dean, in a separate decision. The registration periods are available in the Prospectus. After this registration period, registration for the educational unit can no longer take place, unless the Educational Management Team 3 (OMT3-BMS) decides otherwise, in special cases, on behalf of the dean.
3. The student who has registered for the educational unit can deregister ultimately at 23.59 on the day preceding a period of ten working days prior to the starting date of the relevant educational unit. After this date deregistration can no longer take place.
4. It is not possible to deregister from an educational unit once it has started, unless the Educational management team 3 (OMT3-BMS) decides otherwise, on behalf of the dean and in special circumstances.

Article 8. **Registering and deregistering for examinations and resits**

1. The student must register and deregister through Osiris for the examinations and resits of the educational units of the program they are enrolled in.

2. The student can register for an examination or resit ultimately at 23.59 on the day preceding a period of five working days prior to the date of the examination. After this date registration can no longer take place, unless Educational Management Team 3 (OMT3-BMS) decides otherwise, in special cases, on behalf of the dean.
3. Contrary to the provisions of paragraph 1 and 2 of the present article, the student who has registered for an educational unit of study is automatically registered for the corresponding first examination of that unit of study.
4. The student who has registered for an examination or resit can deregister ultimately at 23.59 on the day preceding a period of five working days prior to the date of the examination. After this date deregistration can no longer take place
5. If the student does not sit the examination or resit they have registered for, the result 'ND' as referred to in article 30 under a is registered, unless the examiner decides otherwise in special cases.

Article 9. Entry requirements for teaching activities and examinations

1. The enrolled student is allowed to take part in all the educational units of the programme and sit all corresponding examinations.
2. Notwithstanding the provisions of the first paragraph, Appendix III lists any entry requirements and/or other provisions that apply to specific educational units and/or the corresponding examinations. If entry requirements apply, the student cannot be granted admission to the educational unit and/or the corresponding examination until these entry requirements have been met.
3. An examination that was passed may be resat, unless determined otherwise in Appendix III. A partial examination that was passed may not be resat before the result of the examination has been irrevocably established, unless determined otherwise in Appendix III.
4. In special cases, the Board of Examiners, on behalf of the dean, may grant the student an exemption from the entry requirements referred to in paragraphs 1 and 2 of the present article. If an exemption is requested from the obligation to participate in practical exercises as referred to in article 7.13, second paragraph under t of the HERA, the Board of Examiners decides on the exemption.

Section 4. Structure and form of the programme

Article 10. Learning outcomes of the programme

General learning objectives

The MSc:

1. combines broad fundamental knowledge on the mechanisms underlying health and disease processes in the full width of the biomedical sciences with specialistic knowledge on a specific field of expertise within the biomedical sciences¹ e.g. molecular life sciences, clinical neurosciences or population research;
2. gains in-depth, expert understanding of a (new or unfamiliar) biomedical topic on the basis of a literature thesis and describes the state of the art concerning a disease, mechanism or methodology;
3. explores the context of health (care) problems and translates fundamental knowledge into biomedical research that aims towards prevention, therapy or diagnostics of disease;
4. conducts biomedical research independently, keeping up with international standards;
5. establishes themselves as a member of a professional network of scientists, including
 - a. the competence to participate in scientific discussions and present his/her work in the English language to an international scientific audience
 - b. the capacity to write a scientific article at the level of international peer-reviewed journals;
6. integrates the societal and ethical impact of scientific research in relevant situations in his/her professional career.

¹ The BMS Master's has seven specialisations to choose from. Each specialisation contains a number of courses that reflect its central topics and methodology. Students also have the opportunity to participate in a wider selection of (elective) courses.

The following specialisations are offered:

- **Immunology and host defence**

Students learn to understand the immune system and its interactions with pathogens or cancer cells, and develop therapies for immunological diseases

- **Clinical human movement sciences**

Students explore different aspects of movement sciences with a clinical perspective, ranging from orthopaedic biomechanics to neural control and movement disorders

- **Epidemiology**

Students learn research designs and methods to study the distribution and determinants of health and disease conditions in human populations

- **Health Technology Assessment**

Students learn explicit methods to determine the value of a health technology at different points in its lifecycle. The purpose is to inform decision-making in order to promote an equitable, efficient, and high-quality health system

- **Drug Safety and Toxicology**

Students study the effect of toxic substances and adverse drug effects from molecule to man, to improve patient safety

- **Molecular Medicine**

Students learn to translate fundamental knowledge on the molecular aspects of biomedical sciences into diagnostic, therapeutic and personalized treatment strategies

- **Medical Neuroscience**

Students learn to conduct research from basic to clinical and system-level neuroscience to provide better treatment options for brain-based disorders

These specialisations are closely linked to the Research Institute for Medical Innovation of the Radboudumc and the Donders Institute for Brain, Cognition, and Behaviour.

Research profile

The MSc

1. has state-of-the-art knowledge on advanced experimental and methodological approaches in the field of specialisation, providing the basis for developing and executing innovative research ideas;
2. achieves a profound professional level of the scientific competences formulated under 'general learning objectives' by conducting at least two research projects (internships). Has learned how to use past research experiences to further improve his/her own research skills.
3. Is proficient to move into an international PhD programme or to participate in research projects at healthcare institutions or e.g. pharmaceutical companies.

Communication profile

The MSc

1. understands mechanisms and processes that are involved in the perception and interpretation of scientific information by lay persons;
2. is able to design a communicative intervention on the basis of a thorough understanding of the target group;
3. is able to evaluate the effectiveness of communicative interventions.

Consultancy profile

The MSc

1. is able to effectively work with stakeholders in an advisory project to solve a policy problem, the solution of which requires biomedical expertise;
2. acquires the communicative skills to effectively manage human interaction in the context of policy making, including possible differences in stakeholder views, and associated resistance;
3. is able to write an advisory report that matches client needs and expectations.

Article 11. Study load of the programme

The degree programme has a study load of 120 EC. The programme's study load was established under or pursuant to the HERA and/or by separate decision of the Executive Board.

Article 12. Form of the programme

The programme is taught full-time. The programme's form was established by the Executive Board in a separate decision.

Article 13. Language of instruction

The programme is taught in the English language, which is the programme's language of instruction. The programme's language of instruction was established by the Executive Board in a separate decision.

Article 14. Examination programme

The programme includes an examination programme aimed at realizing the learning outcomes referred to in Article 10. The examination programme consists of a coherent set of educational units, as further described in Appendix II.

Article 15. Incorporation of educational units (free elective space)

1. With due consideration for the examination programme described in Appendix II, the programme allows for the incorporation of optional educational units from other programmes.
2. The Board of Examiners incorporates optional educational units from other programmes at the student's request.
3. When selecting educational units for the free elective space, the following conditions apply:
 - a. Beforehand a request for incorporation of units of study has to be submitted for approval by the Board of Examiners. The Board of Examiners checks whether the curriculum as laid down in the study plan fits within the domain of the programme and will review the plan, considering the programme's objectives, in terms of level and coherence.
 - b. The student chooses electives from academic programmes offered by the Radboudumc, the Radboud University, other recognized institutions for academic education in the Netherlands or abroad, or individual courses (i.e. courses customized for one or more students).
 - c. A maximum of 12 EC may be spent on academic courses outside the field of biomedical sciences. The remaining part of an individual programme can be filled with additional internships or theoretical courses within the field of the biomedical sciences.

- d. A maximum of 12 EC may be spent on courses of academic Bachelor degree programmes (it is not allowed to re-use courses that are already included in a students' bachelor examination).
- e. Electives have a minimum study load of 2 EC.
- f. Units of study which have been approved by the Board of Examiners are included as individual part in the examination programme of the student involved, with the obligation to conclude them with a sufficient result. No rights with respect to enrolment can be derived from the approval of the Board of Examiners for inclusion of additional tests in the programme. Students should therefore determine prior to application whether they will suffer any adverse consequences after approval.

4. Not applicable

5. Incorporation of an educational unit is only permitted before the relevant educational unit starts.

6. In the event the educational units load and study results of the educational units to be incorporated differ from the provisions laid down in these regulations, conversion will take place. The Board of Examiners will decide on the conversion, with due observance of the memo on conversion: 'Conversion of study load and study results' (Conversie van studiebelasting en studieresultaten) (<https://www.ru.nl/en/students/going-abroad/after-your-exchange/conversion-of-foreign-grades-and-credits>).

7. When selecting educational units from other degree programmes for the mandatory free elective space, the relevant rules with respect to procedures and rights and obligations as referred to in Article 7.13, paragraph 2 of the HERA should be adhered to, in so far as these procedures relate to that educational unit.

Article 16. **Adding educational units (extracurricular)**

1. The programme allows for the addition of extracurricular educational units.

2. The total number of educational units added to the examination programme may not exceed 30 EC.

3. The Board of Examiners adds the educational units from other programmes at the student's request.

4. The addition of optional educational units is subject to the following conditions:

- a. Beforehand a request for adding units of study has to be submitted for approval by the Board of Examiners. The Board of Examiners checks whether the curriculum as laid down in the study plan fits within the domain of the programme and will review the plan, considering the programme's objectives, in terms of level and coherence.
- b. The student chooses electives from academic programmes offered by the Radboudumc, the Radboud University or other recognized institutions for academic education in the Netherlands or abroad.

- c. A unit of study obtained at another recognized academic institution may not form or become part of a diploma of the student other than the Master's degree in Biomedical Sciences.
 - d. The units of study must be completed within the time in which the student is registered for the Master's program in Biomedical Sciences.
 - e. A maximum of 12 EC from the total programme may be spent on academic courses outside the field of biomedical sciences.
 - f. A maximum of 12 EC from the total programme may be spent on courses from academic Bachelor degree programmes. (it is not allowed to re-use courses that are already included in a student's bachelor examination)
 - g. Electives have a minimum study load of 2 EC.
 - h. Units of study which have been approved by the Board of Examiners are included as individual part in the examination programme of the student involved, with the obligation to conclude them with a sufficient result. No rights with respect to enrolment can be derived from the approval of the Board of Examiners for inclusion of additional tests in the programme. Students should therefore determine prior to application whether they will suffer any adverse consequences after approval.
5. For adding educational units, the provisions in Article 15, paragraphs 5 through 7 apply mutatis mutandis.

Article 17. Exemptions from educational units

1. Exemptions from educational units are permitted.
2. The total number of exemptions may not exceed 18 EC.
3. At the student's request, the Board of Examiners may grant an exemption for an educational unit and the corresponding examination if the student:
 - a. has completed a relevant educational unit as part of a university programme that is comparable in terms of both content and level;
 - b. can prove previous (academic) achievements within the field of the biomedical sciences that justify exemption.
4. In the assessment referred to in paragraph 3, the Examining Board checks the current relevance of the knowledge, understanding or skills that the student was tested on.
5. Exception: An exemption as referred to in the first paragraph cannot be granted for the final paper (master's thesis).
6. The Board of Examiners does not grant any exemptions for partial examinations.

7. The Board of Examiners does not grant exemptions on the basis of results obtained during a period when the student was barred from sitting examinations because of examination fraud that was established by the Examining Board, as referred to in the Regulations on Fraud.
8. The following generic exemptions are granted for the programme:
 - a. Not applicable
9. In establishing the results of final examinations, exemptions will be listed in Osiris as exemption.

Article 18. Replacing educational units

1. Replacing compulsory educational units in the examination programme is permitted.
2. At the student's request, and in special cases, the Board of Examiners can replace an educational unit in the examination programme with an educational unit from another programme.
3. The replacement of educational units is subject to the following conditions:
 - a. A motivated plan for replacement of one or more units is submitted by the student to the Board of Examiners;
 - b. The Board of Examiners approves of the plan for replacement.
4. Not applicable
5. For replacing educational units, the provisions in Article 15, paragraphs 5 through 7 apply mutatis mutandis.

Article 19. Free curriculum

It is not possible to follow a free curriculum.

Section 5. Structure and form of educational units

Article 20. Educational units organized per academic year

Each educational unit is offered once per academic year unless otherwise specified in Appendix II.

Article 21. Number of opportunities to sit an examination per educational unit; resits

1. Per educational unit, the student can sit one examination and one resit per academic year, unless otherwise specified in Appendix III.
2. If the examination referred to in the first paragraph consists of partial examinations, the resit also consists of partial examinations, unless otherwise specified in Appendix III.

Article 22. **Teaching and examination timetable**

Appendix II specifies at the very least in which period students are given the opportunity to follow courses and sit examinations.

Article 23. **Language of instruction and examinations**

The teaching activities and examinations of the educational units are provided in the language of instruction of the programme, as defined in Article 13, unless otherwise specified in Appendix III.

Article 24. **Learning objectives**

All educational units are aimed at realizing the learning objectives described in these regulations. The learning objectives per educational unit (or a reference to these objectives) are indicated in Appendix III.

Article 25. **Instruction methods**

The overview in Appendix III of these regulations lists the instruction methods per educational unit, or a reference to these methods.

Article 26. **Number of contact moments**

The number of contact moments per educational unit (or a reference to this number) is indicated in Appendix III.

Article 27. **Study load**

The number of EC per educational unit is indicated in Appendix III.

Article 28. **Examination format**

1. Appendix III lists the examination format per educational unit, or a reference to this form. The programme uses the following examination formats:

- a. Written partial examinations / examinations (written or digital);
- b. Oral examinations;
- c. Assignments;
- d. Portfolio;
- e. Practicals;
- f. Oral presentations and discussions;
- g. Projects;
- h. Internship report.

2. In special cases, the Board of Examiners may decide to deviate from the examination format set out in Appendix III.
3. Written examinations are administered in the rooms designated by the programme for this purpose.
4. Oral examinations: In case of an oral examination, the Board of Examiners will assign a second examiner at the request of the student or the first examiner. An oral examination is an individual assessment whereby only one person can be tested at any given time. Oral examinations are public unless the student submits an objection. A student who still has to sit the relevant final may not act as second to the student sitting the oral examination.
5. For examinations other than written / oral examinations, further rules are set out in the Assessment Regulations referred to in Article 30, paragraph 7.
6. Upon the student's request the Board of Examiners may allow students with an impairment, by way of special examination facilities, to sit examinations in a format adapted to their individual impairment. Prior to reaching a decision on this matter, the Board of Examiners may seek expert advice. In so far as facilities in the context of a 'digital test' are concerned, the Board of Examiners, in designing the facility, may seek advice from the faculty's digital testing coordinator.
7. Within the framework of these Education and Examination Regulations, the Examining Board establishes guidelines and instructions (Article 7.12b, paragraph 1 (b) of the HERA) for assessing and establishing the results of examinations and final examinations.

Section 6. Assessment and examination

Article 29. **Rules for the administration of examinations**

In order to ensure proper procedure is observed when administering examinations, the dean has established house rules for examination venues in a separate decision. In order to provide adequate and clear information, these rules have been included in these regulations as Appendix V.

Article 30. **Establishing examination results**

1. The examiner determines the result of an examination in writing or digitally and is responsible for recording this result in Osiris.
2. The result of an examination is rounded to and expressed in half grades or full grades between 1 and 10.
3. Notwithstanding the provisions of the second paragraph, the examiner may express the result of an examination in a non-numerical mode. If that is the case, this mode is described in more detail in appendix III.

4. Notwithstanding the provisions of the second paragraph, the result of an examination is never set at 5.5 points, but rounded down to 5 or up to 6 according to the standard arithmetical rules.
5. If the result of an examination is equal to or higher than 6.0 points, the examination is considered to have been passed. If the result of the examination is equal to or lower than 5.0 points, the examination is considered not to have been passed.
6. The results of partial examinations are expressed in decimals, on a scale of 1.0 - 10.0, unless otherwise specified in Appendix III. The relative weighting of the partial examinations is described in the Assessment Regulations of the particular examination.
- 6a. If the result of a partial examination is equal to or higher than 5.5(0), or is assessed as a 'pass', the partial examination is considered to have been passed. If the result of a partial examination is lower than 5.5(0), or is assessed as a 'fail', the partial examination is considered not to have been passed.
7. If an examination that has already been sat is resat, the most recent grade always determines the result.
8. For every examination, the examiner establishes Assessment Regulations listing the rules for determining the examination results. The Assessment Regulations require the approval of the Examining Board and are published before the start of the educational unit. The Assessment Regulations do not deviate from that the provisions of Appendix III.

Article 30a Non-numerical results

Without prejudice to the provisions of Article 30, the following non-numerical results are established and registered in Osiris in the following cases:

- a. 'ND' (*'niet deelgenomen'*) (did not participate) if the student was registered for an educational unit or examination, but did not take part in it;
- b. 'VR' (*'vrijstelling'*) (exemption) if, in accordance with these regulations, the Examining Board has granted the student an exemption from an educational unit in the examination programme;
- c. 'FR' (*'fraud'*), if the Examining Board has ascertained that fraud was committed during an examination, and has declared the result of the relevant examination to be invalid, in accordance with the provisions of the Regulation on Fraud attached to these regulations;
- d. 'EFR' (*'ernstige fraude'* (serious fraud)), if the Examining Board has ascertained that serious fraud was committed during the administration of an examination, and has declared the result of the relevant examination to be invalid, in accordance with the provisions of the Regulation on Fraud attached to these regulations.

Article 31. **Publication of examination results**

1. Immediately after the result of an examination has been established, the examiner provides the student administration office with the data required for the publication of this result.
2. The examiner publishes the result of a written examination within 15 working days after the date on which the examination was administered and no later than 10 working days before the date of the resit examination. If an examination is taken in multiple sessions, the result is published within 15 working days of the last session. Immediately following an oral examination, and in any case no later than 5 working days after it was administered, the examiner informs the student of the result and provides them with a written or digital statement to this effect. For examinations that are administered in some other way than in writing or orally, Appendix III sets out the time period within which the student must be informed of the result. This period may not exceed 15 working days.
- 2a. Notwithstanding the provisions of the second paragraph, the following publication deadline has been established for all internship: 20 working days after submission of the internship report in Osiris.
3. In special circumstances and upon request, the Examining Board may extend or reduce the time period referred to in the second paragraph.
4. Once the results of an examination are published, students are informed of their right to inspect their marked work as referred to in these regulations.
5. The provisions in paragraphs 1 through 4 also apply to partial examinations.
6. Once the results of an examination are published, students are informed of the possibility to appeal with the Examinations Appeals Board¹ within the applicable appeal period. This does not apply to partial examinations.

Article 32. **Perusal and inspection rights**

1. For a period of at least twenty days following the publication of an examination result, the student is entitled, at their request, to peruse and inspect the assessed work.
2. For the period referred to in the first paragraph, any student who sat the examination is entitled to inspect the questions and/or assignments set for this examination and the standards used in the assessment.
3. Notwithstanding the provisions of paragraphs 1 and 2, the examiner may decide that perusal shall take place for all students at the same time, on a pre-defined date, time and location. If a student is unable to attend this collective perusal session due to demonstrable circumstances beyond

¹ Procedure is stated on the Radboud University website: <https://www.ru.nl/currentstudents/during-your-studies/legal-affairs/objections-executive-board/>

their control, a separate perusal opportunity can be arranged upon request, preferably within the time period referred to in paragraph 1.

4. If the examination involves an examination format to which the perusal and inspection procedure described in paragraphs 1 and 2 cannot be applied, Appendix III describes how perusal is to be organized.
5. In any event, the opportunity for perusal is offered no later than 5 working days prior to the first following opportunity to sit the examination.
6. The provisions in paragraphs 1 through 5 do also apply to partial examinations.

Article 33. Validity term of examinations

1. Passed examinations are valid indefinitely.
2. Expiration of examinations: not applicable.
3. Not applicable
4. Not applicable
5. Not applicable
6. The validity term of partial examinations expires immediately after the end of the academic year following the academic year in which the partial examination was taken, unless stated otherwise in Appendix III.

Article 34. Final examination

1. The programme is concluded with a final Master's examination.
2. The Examining Board establishes the result of the final examination in writing as soon as the student has passed all the examinations corresponding to the educational units in the examination programme pertaining to the programme in question and the student has requested a final examination. The Examining Board decides which examination the student sat last.
3. At the same time as determining the result of the final examination, the Examining Board also sets the final examination date. The final examination date is the day on which the Examining Board establishes the result, as specified in paragraph 2.
4. Prior to determining the result of the final examination, the Board of Examiners may conduct an inquiry into the student's knowledge with respect to one or more educational units or aspects of the programme. In that case, the final examination date is the date on which the Board of Examiners has established the results of this inquiry.

Article 35. Degree and distinction

1. A student who has passed the final examination of the programme will be awarded the degree of Master of Science (MSc).

2. The Board of Examiners can award a distinction to a student who has successfully completed the programme. The rules for awarding distinctions have been established in appendix VI of these regulations.
3. In order to provide adequate and clear information to students, the Distinction Regulations have been included in these regulations as Appendix VI.

Section 7. Study progress, counselling, and recommendations

Article 36. **Registration of study progress**

1. The dean is responsible for registration of student results in such a way that the Board of Examiners can provide every student, at their request and within a reasonable period of time², with an up-to-date overview of their results.

Article 37. **Student counselling and study facilities**

1. The dean is responsible for providing adequate student counselling.
2. This means that the student can in any case make use of the RHA study advisors. In addition students receive support and guidance from their specialisation coordinator throughout the programme as described in the prospectus.

Article 38. **BSA Regulations**

Not applicable

Section 8. Evaluation of teaching

Article 39. **Teaching evaluation method**

With due observance of Radboud University's quality assurance system, as laid down in the Educational Quality Assurance Handbook of the Radboud University, the dean is responsible for the systematic evaluation of the teaching offered in the context of the programme.

Section 9. Judicium abundi

Article 40. **Student conduct in relation to future professional practice**

In order to provide the student with proper and clear information, the student is informed about the legal provisions (Article 7.42a of the HERA) that grant the Executive Board the authority, in special

² An up-to-date overview can be produced at all times, students can do this themselves as well.

cases and provided the due diligence requirements described in Article 7.42a are met, to terminate or refuse a student's enrolment in a programme, if the student's conduct or views indicate an incapacity to exercise one or more professions for which their degree programme trains them, or for the practical preparation for professional practice.

Section 10. Transitional provisions

Not applicable

Section 11. Final provisions

Article 41. **Safety net scheme**

1. In all cases not covered fully or clearly by these regulations, the decision lies with the dean.
2. In case of conflict between these regulations and the relevant legal provisions, the provisions in the HERA take precedence.

Article 42. **Adoption, employee participation and amendments**

1. These regulations are drawn up or amended by the dean after the programme committee has delivered its opinion on them and the UMC-raad has approved them.
2. Amendments to these regulations do not take effect in the current academic year unless this disproportionately compromises the student's interests.
3. In cases when these regulations cannot be implemented as a result of an urgent crisis and the accompanying restrictions and measures, the dean decides on any adjustments needed to ensure optimal study progress in the given circumstances.
4. In the cases referred to in paragraph 3, the dean informs the programme committee and the UMC-Raad of the proposed adjustments and, if the circumstances allow it, waits before reaching a final decision until the programme committee and UMC-Raad have delivered their opinion on the matter.
5. In the cases referred to in paragraph 3, an addendum will be added to these regulations. The participational bodies will be involved in drawing up this addendum in accordance with the standard, statutory provisions regarding the adoption, in whole or in part, of the EER.

Article 43. **Entry into force**

1. These regulations enter into force on 1 September 2024.
2. Any previously established Education and Examination Regulations expire as of this date.

Article 44. **Publication**

1. The dean is responsible for publishing these regulations and any amendments thereto.
2. Any interested party is entitled to peruse these regulations via the website of the relevant Radboud university medical center programme.
3. The EER is available for students in the programme's language of instruction.

Article 45. **Evaluation**

The dean is responsible for regularly assessing these regulations.

As established by the dean on 3 July 2024.

Appendix I Admission requirements and procedures

Article I.1: Admission requirements

Admission to the Master programme of Biomedical Sciences requires the following prior education:

- a. A Bachelor's degree based on successfully passing the final examination of the Bachelor of Biomedical Sciences at Radboud University Nijmegen.
- b. A Bachelor's degree based on successfully passing the final examination of other related Bachelor programmes in the Netherlands which have been appointed as such by the dean, on the understanding that the Board of Examiners may determine additional requirements for the Master programme.
- c. A certificate of admission to the Master, issued by the Executive Board of Radboud University, to candidates holding a secondary school diploma in Science and Engineering or Science and Health supplemented by the subject Physics and moreover a graduate degree in the programmes of Physical Therapy, Higher Laboratory Education in Chemistry and Biotechnology, or Higher Laboratory Education in Medicine after they have successfully met the programme of additional prior education requirements as laid down in appendix 1 to these regulations. The result of this programme is sufficient if a mark of 6 or higher is achieved in all components.
- d. A Bachelor's degree based on successfully passing the final examination of a related Bachelor programme abroad and an additional successfully completed English interview with one or two members of the admissions board of the Board of Examiners of Biomedical Sciences.

Admission depends on:

- a) the degree of biomedical knowledge and experience in the field displayed in the interview;
- b) an assessment of the applicant's prior education by the Board of Examiners of the Master of Biomedical Sciences.

Article I.2: Programme of additional prior education requirements (Pre-master's)

In the event that the requirements set above are not met, but the Board of Examiners is of the opinion that the deficiencies can be remedied within a reasonable period of time, the scope and content of a pre-master's programme will be determined. The result of the pre-master programme is sufficient for admission to the Biomedical Sciences Master's degree if for all components a grade of 6 or higher has been achieved. For a number of specific pre-programmes the pre-master programme has been laid down.

Pre-master's programme Biomedical Sciences for students of Medicine

Component	EC	Code
Biomedical Research Methods	11	MED-B3MIN17
Minor of choice on Monday-Tuesday	11	MED-B3MINxx
Wednesday minor of your choice in the first quarter	3	MED-B3KOx
Thinking critically about science	3	MED-B3WI
Bachelor research internship	28	MED-B3BOSS2
Bachelor writing	1	MED-B3WR
Professionality BMW semester 1, year 3	0,5	MED-B3PFS1B
Patient contacts BMW semester 1, year 3	0,5	MED-B3PCS1B
Professionality BMW semester 2, year 3	1	MED-B3PFS2B
Patient contacts BMW semester 2, year 3	1	MED-B3PCS2B
<i>Total:</i>	<i>60 EC</i>	

Pre-master's programme Biomedical Sciences for HBO Bachelor graduates (HLO, Physical Therapy, and MBRT)

Component	EC	Code
Biomedical Research Methods	11	MED-B3MIN17
Minor of choice on Monday-Tuesday	11	MED-B3MINxx
Thinking critically about science	3	MED-B3WI
CSI, project, year 2 (Research proposal)	7	MED-B2CPRJ2
Research, quarter 3, year 2	10	MED-B2RESK3
Research, quarter 4, year 2	10	MED-B2RESK4
Professionality BMW semester 1, year 3	0,5	MED-B3PFS1B
Patient contacts BMW semester 1, year 3	0,5	MED-B3PCS1B
Professionality BMW semester 2, year 3	1	MED-B3PFS2B
Patient contacts BMW semester 2, year 2	1	MED-B2PCS2B
<i>Total:</i>	<i>55 EC</i>	

HAN-RU-minor Bewegingswetenschappen (integrated 'ingedaald' pre-master's programme for selected students)

Component	EC	Code
Biomedical Research Methods	11	MED-B3MIN17
Moving Questions: an introduction to clinical human movement sciences	11	MED-B3MIN05

Thinking critically about science	3	MED-B3WI
CSI, project, year 2 (Research proposal)	7	MED-B2CPRJ2
Research, quarter 3, year 2	10	MED-B2RESK3
Research internship premaster BMW at HAN (10 weeks)	15	MED-B3OPBMW
Professionalism BMW semester 1, year 3	0,5	MED-B3PFS1B
Patient contacts BMW semester 1, year 3	0,5	MED-B3PCS1B
Professionalism BMW semester 2, year 3	1	MED-B3PFS2B
Patient contacts BMW semester 2, year 2	1	MED-B2PCS2B
<i>Total:</i>	<i>60 EC</i>	

Article I.3: Language requirements

1. In addition to the admission requirements referred to above, adequate command is required of the language in which the courses are taught, i.e. English.
2. Sufficient English proficiency is required to participate in both the English-taught courses and English examinations. The language requirement referred to in paragraph 1 of the present article is in any case met, if the student:
 - a. holds a diploma of pre-university education; or
 - b. holds a diploma of secondary education, obtained at an English-language institution for secondary education in or outside the Netherlands; or
 - c. holds a diploma in higher vocational training; or
 - d. has passed one of the following tests:
 - TOEFL iBT with a score of 90 or higher (internet-based version) with all sub-scores equal or higher than 22;
 - IELTS with a score of 6.5 or higher with at least 6.0 for all sub-items and at least 6.5 for 'writing';
 - Cambridge C1 Advanced, with an overall minimum score of 176, a minimum score of 169 on all subitems and a minimum score on "writing" of 176
 - Cambridge C2 Proficiency, with an overall minimum score of 180, a minimum score of 169 on all subitems and a minimum score on "writing" of 176

Article I.4: Flexible admission into the Master programme

1. Upon request and insofar as the available capacity allows, the Board of Examiners may decide to already admit a student enrolled in the Bachelor's programme Biomedical Sciences to programme components and corresponding examinations of the Master's programme

Biomedical Sciences for the duration of the academic year before the bachelor programme has been successfully completed.

2. A request is eligible if:
 - a. The first year of the Bachelor's programme has been completed successfully;
 - b. A sufficient mark has been obtained for the bachelor research;
 - c. At least 168 ECs of the total bachelor's programme have been earned, in which ECs received for exemptions are to be taken into account as well.
3. In exceptional cases the Board of Examiners may deviate from the conditions for flexible admission as stated in paragraph 2c in favour of the student.
4. Students who are admitted to examinations of the master's programme under this article are not entitled to sitting the final examination of the master's programme or starting the second internship, as long as the bachelor's degree has not been obtained and the student has not been enrolled in the master's programme.

Appendix II Examination programme

Article II.1.: Composition of the programme

1. The student chooses one of the following profiles:
 - a. the research profile;
 - b. the communication profile;
 - c. the consultancy profile.
2. The master's programme in Biomedical Sciences (BMS) comprises multiple programme components, whose minimum required scope is specified in the tables below.

Table: Compulsory exam components for BMS and corresponding minimal study load:

Compulsory exam component	Scope in EC	Explanation
Profile specific modules <ul style="list-style-type: none"> • Research • Communication • Consultancy 	≥6 12 12	Art.II.1 paragraph 3 and Art.II.2B
Other modules BMS <i>For students admitted to the BMS Master's based on the completion of a programme at a foreign university it is compulsory to include the course MED-BMS01 'Thinking critically about science' (as part of the ≥18EC of 'other modules BMS')</i>	≥18	Art.II.1 paragraph 3 and 5, and Art.II.2B
Literature thesis	6	Art.II.1 paragraph 4

Research integrity rounds	0	Art.II.1 paragraph 5 and Art.II.2B
Coaching	0	Art.II.1 paragraph 6
Research internship	≥30	Art.II.1 paragraph 7
Profile internship	≥30	Art.II.1 paragraph 7

- A list of BMS elective modules and (profile-specific) compulsory modules is included in Appendix II, Art. 2.
- A literature thesis with a scope of 6 ECs is a compulsory component of the master programme. The requirements for the literature thesis can be found on the Radboudumc website.
- Scientific integrity is an obligatory component of the BMS Master's programme. Students have to participate in the Research integrity rounds (at least three meetings). Students admitted to the BMS Master's based on the completion of a programme at a foreign university must include the MED-BMS01 course in the ≥18EC of 'Other BMS courses'. Students admitted to the BMS Master's based on a Bachelor's at a Dutch university and students admitted based on one of the pre-master's programmes of Biomedical Sciences do not have to include MED-BMS01.
- Participation in the compulsory parts of the coaching is a mandatory part of the Master's programme for students who started their Master's in the 2020-2021 academic year or later. Every student will be assigned to a specialisation coordinator who will support the student during their Master's as a coach. Please refer to the assessment regulations for more details.
- Internships have a study load of 24, 30, 36, 42 or 48. The table below includes the codes for the internship courses and the associated internship duration. The minimum and maximum scope depend on the type of internship, as shown in the table below. Internships can only be attended after approval by the Board of Examiners.

Internship course	Description	weeks	study load
MED-BMS30GEN	General Research Internship (30 EC)	20	840 h
MED-BMS36GEN	General Research Internship (36 EC)	24	1008 h
MED-BMS42GEN	General Research Internship (42 EC)	28	1176 h
MED-BMS48GEN	General Research Internship (48 EC)	32	1344 h
MED-BMS30RES	Internship Research Profile (30 EC)	20	840 h
MED-BMS36RES	Internship Research Profile (36 EC)	24	1008 h
MED-BMS42RES	Internship Research Profile (42 EC)	28	1176 h
MED-BMS48RES	Internship Research Profile (48 EC)	32	1344 h
MED-BMS30COM	Internship Communication Profile (30 EC)	20	840 h
MED-BMS36COM	Internship Communication Profile (36 EC)	24	1008 h
MED-BMS42COM	Internship Communication Profile (42 EC)	28	1176 h

MED-BMS48COM	Internship Communication Profile (48 EC)	32	1344 h
MED-BMS30CONS	Internship Consultancy Profile (30 EC)	20	840 h
MED-BMS36CONS	Internship Consultancy Profile (36 EC)	24	1008 h
MED-BMS42CONS	Internship Consultancy Profile (42 EC)	28	1176 h
MED-BMS48CONS	Internship Consultancy Profile (48 EC)	32	1344 h
MED-BMS24ADD	Additional Internship (24 EC)	16	672 h
MED-BMS30ADD	Additional Internship (30 EC)	20	840 h

8. Electives (Art. 15 of the EER) can be fulfilled with additional internship or theoretical courses.

Elective courses can only be attended after approval by the Board of Examiners.

Theoretical courses can be chosen from:

- Existing courses within Radboudumc;
- courses from other university programmes;
- individual modules (i.e. courses customised for one or more students).

9. The programme's Board of Examiners determines the definitive composition of any individual exam programme. Courses from the Biomedical Sciences Master's programme have been approved in advance as a component of the individual examination programme. For the other components (courses outside the BMS programme, internships, and literature thesis), the student drafts a plan for each component, discusses it with their specialisation coordinator, and submits it to the Board of Examiners for approval. The Board of Examiners checks whether the component as established in the plan fits within the domain of the programme and will review said plan, considering the programme's objectives, in terms of level and coherence.

10. In 'Rules and Regulations' the Board of Examiners provides further details on the manner in which plans for programme components must be submitted and approved.

Article II.2.: Modules master Biomedical Sciences (BMS)

(belonging to the Education and Examination Regulations for the Biomedical Sciences Master's, amended as of 1 September 2024)

A. BMS modules schedule

Period ¹⁾	Code	Title	EC
W36A	MED-BMS24	Medical Neuroscience: conceptual basics and anatomy	3.0
	MED-BMS53	Orthopaedic biomechanics in motion	3.0
	MED-BMS64	Molecular and cellular toxicology	3.0
	MED-BMS75	Advanced tools in molecular biology	3.0
	MED-BMS77	Design of applied medical research	3.0
	MED-BMS86	Introduction to Health Technology Assessment	3.0
	MED-BMS88	Advanced Immunology	3.0
W36B	MED-BMS32	Medical Neuroscience: Molecular and cellular neuroscience	3.0
	MED-BMS40	Nanomedicine	3.0
	MED-BMS54	Applied exercise physiology	3.0
	MED-BMS58	Cost-effectiveness analysis in health care	3.0
	MED-BMS67	Chemical mutagenesis and carcinogenesis	3.0
	MED-BMS74	Inflammatory diseases	3.0
	MED-BMS78	Modern methods of data collection	3.0
W36C	MED-BMS11	Basic course for Clinical Investigators (BROK) (LET OP: part 1)	1.5
W40A	MED-BMS25	Medical Neuroscience: functional imaging	3.0
	MED-BMS34	Reconstructive and regenerative medicine	3.0
	MED-BMS43	From target to therapy	3.0
	MED-BMS47	Biomarkers in population-based research	3.0
	MED-BMS55	From vascular function to vascular failure	3.0
	MED-BMS62	Advanced modelling in economic evaluation	3.0
	MED-BMS63	Biodynamic and toxicokinetic modelling	3.0
W40B	MED-BMS93	Data Science for Biomedical Research	3.0
	MED-BMS30	Medical Neuroscience: Animal models for psychiatric and neurological disorders	3.0
	MED-BMS42	Targeting cellular processes to treat disease	3.0
	MED-BMS50	Neural control of movement	3.0
	MED-BMS61	Statistical modelling in observational research	3.0
	MED-BMS66	Reproductive Epidemiology and Toxicology	3.0
W40C	MED-BMS11	Basic course for Clinical Investigators (BROK) (LET OP: part 2)	1.5
W44A	MED-BMS19	Vision: From molecule to perception and treatment	3.0
	MED-BMS29	Neurobiology of stress	3.0
	MED-BMS39	Understanding proteins in 3D	3.0
	MED-BMS48	Clinical trials	3.0
	MED-BMS49	Movement science in rehabilitation	3.0
	MED-BMS65	Clinical toxicology	3.0
	MED-BMS72	Cancer development and immune defense	3.0
	MED-BMS81	Applied medical research and society	3.0
W44B	MED-BMS21	Neurodevelopmental conditions: bench to bedside	3.0
	MED-BMS33	Neural stem cells to model neurological disorders	3.0
	MED-BMS37	Cell death in life and disease	3.0
	MED-BMS52	Disorders of movement	3.0
	MED-BMS56	Health outcome measurement	3.0
	MED-BMS59	Prediction models and machine learning	3.0
	MED-BMS60	Human risk assessment	3.0
	MED-BMS76	Cell movements	3.0
MED-BMS89	Moving Science – using film in science communication	3.0	
W44C	MED-BMS11	Basic course for Clinical Investigators (BROK) (LET OP: part 1)	1.5

W48A	MED-BMS08	Qualitative research	3.0
	MED-BMS41	Advanced models of human disease	3.0
		Association does not mean causation: Causal inference in observational research	3.0
	MED-BMS16	Stress-related disorders	3.0
	MED-BMS28	Big data in biomedical sciences	3.0
	MED-BMS85	Applied infectious Disease Epidemiology	3.0
	MED-BMS87	Introduction to linear algebra and data analysis in MATLAB/PYTHON	3.0
W48B	MED-BMS05	Participatory approaches to innovation	3.0
	MED-BMS07	Science, communication and society	3.0
	MED-BMS14	Design and analysis of experiments	3.0
	MED-BMS31	OMICS data analysis of systems biology	3.0
	MED-BMS51	Sensorimotor control	3.0
	MED-BMS91 (part 1)	Values in doing assessments of healthcare Technologies (VALIDATE)	6.0
48C	MED-BMS11	Basic course for Clinical Investigators (BROK) (LET OP: part 2)	1.5
W02A	MED-BMS02	Management skills for a consultant	3.0
	MED-BMS09	Science presentation and visualisation	3.0
	MDE-BMS17	Hands-on: genome data association analysis	3.0
	MED-BMS23	Biomedical imaging: seeing is understanding	3.0
	MED-BMS27	Higher order cognition and emotion	3.0
	MED-BMS38	Biomarkers: let's get personal	3.0
	MED-BMS57	Health care improvement science	3.0
W02B	MED-BMS03	Policy research	3.0
	MED-BMS06	Science popularisation	3.0
			3.0
	MED-BMS10	Laboratory animal science	3.0
	MED-BMS22	Vanishing boundaries between neurodevelopmental disorders	3.0
	MED-BMS82	Applied Matlab for Biomedical Problems	3.0
W06A	MED-BMS91 (part 2)	Values in doing assessments of healthcare Technologies (VALIDATE)	6.0
	MED-BMS92	Organ Toxicology	3.0
W06A	MED-BMS01	Thinking Critically about Science	3.0
	MED-BMS26	Neuroscience of sleep	3.0
	MED-BMS69	Tumors of the digestive tract	3.0
	MED-BMS71	Women's cancers	3.0
	MED-BMS84	Longitudinal and multilevel data analysis	3.0
W06B	MED-BMS04	Policy making, health systems and public management in health care	3.0
	MED-BMS90	Research with ionizing radiation	3.0
	MED-BMS44	Mitochondrial disease drug development	3.0
	MED-BMS46	Healthy versus neurodegenerative brain aging	3.0
	MED-BMS68	Urological cancers	3.0
W10A	MED-BMS09	Science presentation and visualisation (second edition)	3.0
	MED-BMS02	Management skills for a consultant (second edition)	3.0

3) "a" refers to Monday and Tuesday, "b" to Thursday and Friday and "c" to Wednesday. The first -four week- period (W36) starts September.

B. Compulsory modules and elective modules

Compulsory modules for MSc students:

Scientific integrity forms a compulsory part of the Master's programme.

Coaching is a compulsory part for students who started their Master's in the 2020-2021 academic year or later.

Period	Code	Title	ECTS
3 meetings per year	MED-BMSRIR ¹⁾	Research integrity rounds Radboudumc	0
All of the Master's	MED-BMSCOA ²⁾	Coaching	0
W06A	MED-BMS01 ³⁾	Thinking critically about science	3

1) All students will take part in at least three Radboud Integrity Rounds over the course of their 2-year Master's programme. Every year, three meetings will be organised. For the schedule, please refer to www.radboudumc.nl/researchintegrityround.

2) The compulsory components of the coaching programme (applicable to students who started their Master's in the 2020-2021 academic year or later) are further explained in the relevant assessment regulation. For more information, please refer to the prospectus:

[Coaching - Course guides 2024 Faculty of Medical Sciences \(ru.nl\)](#).

3) Students admitted to the BMS programme based on a prior Bachelor's at a Dutch university or one of the pre-master's programmes may take any other BMS course instead of MED-BMS01, i.e. if such a student does not take MED-BMS01, the student must substitute the 3EC of MED-BMS01 with another BMS course of choice. For students admitted based on a foreign programme, BMS01 is a mandatory component.

Compulsory courses for the communication profile:

Period	Code	Title	ECTS
W02B	MED-BMS06	Science popularisation	3
W48B	MED-BMS07	Science, communication and society	3
W48A	MED-BMS08	Qualitative research	3
W02A	MED-BMS09	Science presentation and visualisation	3

The compulsory courses for the communication profile align with the profile-specific learning outcomes. Students may (in accordance with Article 14 'Replacing units of study') submit a

motivated request to the Board of Examiners to take a comparable course from a different academic programme while retaining objectives. It is subject to the following conditions:

- a. Students who want to replace a compulsory profile course may submit a request to that effect. The Board of Examiners will check the request in terms of level and relation to the profile-specific learning objectives.
- b. The student chooses electives from academic programmes offered by Radboud University or other recognised institutions for academic education.
- c. A maximum of 12 EC from the total programme may be spent on courses from academic Bachelor's degree programmes. (It is not allowed to re-use courses that are already included in a students' bachelor examination).
- d. Each elective has a minimum study load of 2 EC.
- e. No rights with respect to enrolment can be derived from the approval of the Board of Examiners for the inclusion of additional tests in the programme. Students should therefore determine whether they will suffer any adverse consequences after approval prior to application.

Compulsory courses for the consultancy profile:

Period	Code	Title	ECTS
W02A	MED-BMS02 or MED-BMS57	Management skills for a consultant or Health care improvement science	3
W02B	MED-BMS03	Policy research	3
W06B	MED-BMS04	Policy making, health systems and public management in health care	3
W48B	MED-BMS05	Participatory approaches to innovation	3

The compulsory courses for the consultancy profile align with the profile-specific learning outcomes. Students may (in accordance with Article 14 'Replacing units of study') submit a motivated request to the Board of Examiners to take a comparable course from a different academic programme while retaining objectives.

It is subject to the following conditions:

- a. Students who want to substitute a compulsory profile course may submit a request to that effect. The Board of Examiners will check the request in terms of level and relation to the profile-specific learning objectives.
- b. The student chooses electives from academic programmes offered by the Radboud university medical center, Radboud University or other recognised institutions for academic education

- c. A maximum of 12 EC from the total programme may be spent on courses from academic Bachelor's degree programmes. (It is not allowed to re-use courses that are already included in a students' bachelor examination).
- d. Each elective has a minimum study load of 2 EC.
- e. No rights with respect to enrolment can be derived from the approval of the Board of Examiners for inclusion of additional tests in the programme. Students should therefore determine whether they will suffer any adverse consequences after approval prior to application.

Elective courses for the research profile:

Students in the research profile can choose at least 6 EC of courses from the table below.

Period	Code	Title	ECTS
W02A	MED-BMS09	Science presentation and visualisation	3
W02B	MED-BMS10	Laboratory animal science	3
W..C, 4x	MED-BMS11	BROK	1.5
W48A	MED-BMS13	Introduction to linear algebra and data analysis in MATLAB/PYTHON	3
W48B	MED-BMS14	Design and analysis of experiments	3
W02A	MED-BMS38	Biomarkers: let's get personal	3
W48A	MED-BMS41	Advanced models of human disease	3
W44A	MED-BMS48	Clinical trials	3
W02A	MED-BMS57	Health care improvement science	3
W02B	MED-BMS82	Applied Matlab for Biomedical Problems	3
W06A	MED-BMS84	Longitudinal and multilevel data analyses	3
W48A	MED-BMS85	Big data in biomedical sciences	3
W44B	MED-BMS89	Moving Science - using film in science communication	3
W06B	MED-BMS90	Research with ionizing radiation	3

Appendix III Course specific information

General notices:

- There are no entry requirements for components of the master's programme. The MSc student is allowed to take courses and sit relevant examinations. In such cases the student is obligated to inquire into the level of knowledge required by the lecturer prior to the start of the course. In case of any hiatus in prior knowledge it is the student's responsibility to achieve the desired entry level through self-study.
- The listed teaching activities and examinations are not dependent on any monetary contribution other than the tuition fee for the BMS programme.

Unit of study		Module BMS
	code	MED-BMSxx
	study load	3 EC
	objectives	Refer to Prospectus
Information education		
	Entry requirements	n.a.
	Period	Appendix II
	Registration for tuition	Osiris, placement is based on preferences and capacity
	Tuition form	Refer to Prospectus
	Number of contact moments	Refer to the timetables: https://onderwijsroosters.radboudumc.nl/schedule
	Language of instruction	English
Information examination		
	Entry requirements	n.a.
	Number of examination opportunities per academic year	2
	Registration examination	Automatically enrolled for the first examination opportunity
	Deregistration examination	n.a.
	Language	English
	Period of validity	Indefinitely
	Number of partial examinations	See assessment regulations (included in the course information in Osiris)
	Establishing results	The result of the examination is determined in accordance with Art. 30.
	Resit of passed examination	A module that has been passed successfully cannot be retaken.
	Resit of partial examinations	Resit opportunities for an insufficient result are laid down in the assessment regulations.
	Validity partial examinations	Indefinitely
Set-up first examination opportunity		
	Type of examination	See assessment regulations (included in the course information in Osiris)
	Period	Appendix II
	Term for publication of results	15 working days
Set-up resit examination		
	Type of examination	See assessment regulations (included in the course information in Osiris)
	Period	Within 10 weeks after completion of the course
	Term for publication of results	15 working days

Unit of study		Radboud integrity rounds
	code	MED-BMSRIR
	study load	0 EC
	objectives	Refer to Prospectus
Information education		
	Entry requirements	n.a.
	Period	Website
	Registration for tuition	Website
	Tuition form	Refer to Prospectus
	Number of contact moments	Three rounds during the Master's programme. 1:30h per integrity round
	Language of instruction	English
Information examination		
	Entry requirements	3 meetings during the master
	Number of examination opportunities per academic year	n.a.
	Registration examination	Automatically when meeting entry requirements
	Language examination	English
	Period of validity	Indefinitely
	Establishing results	The result of the examination is determined to be satisfied / not satisfied
Set-up first examination opportunity		
	Type of examination	Participation in meetings
	Period	Website
	Term for publication of results	15 working days
Set-up resit examination		
	Type of examination	Participation in meetings
	Period	n.a.

Unit of study		Research internship (general)
	code	MED-BMS...GEN
	study load	30-48 EC
	objectives	Refer to Prospectus
Information education		
	Entry requirements	The work plan (application) for the research training period must be approved by the Board of Examiners as part of the individual study plan before the start of the research training period.
	Period	variable
	Registration for tuition	The student submits the research training period workplan to the Board of Examiners and supervisor 6 weeks before the start of the research training period.
	Tuition form	The student conducts research under supervision of a scientist and writes a report.
	Number of contact moments	The student conducts research 40 hours a week; estimated supervision time is at least 5 hours a week.

	Language of instruction	English
Information examination		
	Entry requirements examination	The work plan (application) must have been approved by the Board of Examiners and supervisor
	Number of examination opportunities per academic year	n.a..
	Registration examination	BMS students are automatically enrolled
	Deregistration examination	n.a.
	Examination language	English
	Period of validity	Unlimited
	Determination examination grade	According to article 30; numerically graded. Specific rules apply to examiners and assessment forms, see Rules and regulations of the Board of Examiners and Guidelines internship. Detailed assessment regulations for research training periods are printed on the assessment form.
	Resit of passed examination	Not allowed. A sufficiently completed internship cannot be retaken.
	Resit of partial examinations	If a student fails the research training period, the examiner in consultation with the Board of Examiners will determine the options for resit. If a partial examination result is insufficient, the examiner determines the form of a resit opportunity.
Set-up first examination opportunity		
	Period	Variable
	Number of partial examinations	4
	Examination form	<ul style="list-style-type: none"> • Performance (professional attitude and activities graded by the 1st assessor). Weight 40%. • Oral presentation (graded by the 1st assessor). Weight 10% . • Written internship report. Weight 50%: <ul style="list-style-type: none"> ○ 20% graded by the 1st assessor (supervisor), ○ 30% graded by the 2nd assessor. See internship assessment forms and Guidelines internship for details.
	Term for publication of examination results	20 working days
	Validity partial examinations	Conform Art. 30.2
Set-up resit examination		
	Period	If a student fails the internship period, the examiner in consultation with the Board of Examiners will determine the options and period for resit.
	Number of partial examinations	Equal to first examination opportunity
	Examination form	Equal to first examination opportunity
	Term for publication of results	20 working days

Unit of study		Coaching
	code	MED-BMSCOA
	study load	0 EC
	objectives	Refer to Prospectus

Information education		
	Entry requirements	n/a
	Period	Throughout the Master's
	Registration for tuition	Registration for specialisation/coach groups in Brightspace
	Tuition form	Refer to prospectus
	Number of contact moments	Five compulsory meetings, the duration of which can be determined between the specialisation coordinator and the student
	Language of instruction	English
	Study cost	n/a
Information examination		
	Entry requirements	n/a
	Number of examination opportunities per academic year	n/a
	Registration examination	n/a
	Language	English
	Period of validity	Indefinitely
	Number of partial examinations	See examination regulation (published in the Brightspace course of the Biomedical Sciences Master's)
	Establishing results	The result of the examination will be established as passed /not passed
	Resit of passed examination	n/a
	Resit of partial examination	n/a
	Validity partial examinations	n/a
Set-up first examination opportunity		
	Type of examination	See examination regulation
	Period	During the Master's programme
	Term for publication of results	15 working days
Set-up resit examination		
	Type of examination	Refer to examination regulation
	Period	n/a.
	Term for publication of results	15 working days

Unit of study		Internship Research Profile
	Code	MED-BMS...RES
	Study load	30 - 60 EC
	Objectives	Refer to Prospectus
Information education		
	Entry requirements	The work plan for the research training period must be approved by the Board of Examiners and supervisor before the start of the research training period.
	Period	Variable
	Registration for tuition	The student submits the research training period workplan to the Board of Examiners and supervisor 6 weeks before the start of the research training period.
	Tuition form	The student conducts research under supervision of a scientist and writes a report.
	Number of contact moments	The student conducts research 40 hours a week; estimated supervision time is at least 5 hours a week.
	Language of instruction	English

	Study costs	Not applicable
Information examination		
	Entry requirements examination	The work plan (application) must have been approved by the Board of Examiners and supervisor
	Number of examination opportunities per study year	n.a.
	Registration examination	BMS students are automatically enrolled.
	Deregistration examination	Not applicable
	Examination language	English
	Period of validity	Unlimited
	Determination examination grade	According to article 30; numerically graded. Specific rules apply to examiners and assessment forms, see Rules and regulations of the Board of Examiners and Guidelines internship. Detailed assessment regulations for research training periods are printed on the assessment form.
	Resit of passed examination	Not allowed
	Resit of partial examinations	If a student fails the research training period, the examiner in consultation with the Board of Examiners will determine the options for resit.
Set-up first examination opportunity		
	Period	variable
	Number of partial examinations	4
	Examination form	<ul style="list-style-type: none"> • Performance (professional attitude and activities graded by the 1st assessor). Weight 40%. • Oral presentation (graded by the 1st assessor). Weight 10%. • Written internship report. Weight 50%: <ul style="list-style-type: none"> ○ 20% graded by the 1st assessor (supervisor), ○ 30% graded by the 2nd assessor. See internship assessment forms and Guidelines internship for details.
	Term for publication of examination results	20 working days
	Validity term of partial examinations	As stated in article 30.2
Set-up resit examination		
	Period	If a student fails the research training period, the examiner in consultation with the Board of Examiners will determine the options and period for resit.
	Number of partial examinations	Equal to first examination opportunity
	Examination form	Equal to first examination opportunity
	Term for publication of examination results	20 working days
Committee to be approached with special requests		
	Board of Examiners	

Unit of study	Profile Internship consultancy/communication
Code	MED-BMS... COM / MED-BMS... CONS
Study load	30-48 EC
Learning objectives	See Prospectus
Information education	

Entry requirements	The work plan for the profile internship must be approved by the Board of Examiners and supervisor before the start of the internship.
Period	Variable
Registration for tuition	The student submits a workplan to the Board of Examiners and supervisor at least 6 weeks before start of the internship.
Tuition form	The student conducts research under supervision of a scientist and writes a report.
Number of contact moments	The student conducts research 40 hours a week; estimated supervision time is at least 5 hours a week.
Language of instruction	English
Study costs	Not applicable
Information examination	
Entry requirements examination	Not applicable
Number of examination opportunities per study year	n.a.
Registration examination	BMS students are automatically enrolled.
Deregistration examination	Not applicable
Examination language	English
Period of validity	Unlimited
Determination examination grade	According to article 30; numerically graded. Specific rules apply to examiners and assessment forms, see Rules and regulations of the Board of Examiners and Guidelines internship on Brightspace. Detailed assessment regulations for internships are printed on the assessment form.
Resit of passed examination	Not allowed
Resit of partial examinations	If a student fails the internship period, the examiner in consultation with the Board of Examiners will determine the options for resit.
Set-up first examination opportunity	
Period	variable
Number of partial examinations	3
Examination form	<ul style="list-style-type: none"> • Performance (professional attitude and activities graded by the 1st assessor). Weight 40%. • Oral presentation (graded by the 1st assessor). Weight 10% . • Written internship report. Weight 50%: <ul style="list-style-type: none"> ○ 20% graded by the 1st assessor (supervisor), ○ 30% graded by the 2nd assessor. <p>See internship assessment forms and Guidelines internship for details.</p>
Term for publication of examination results	20 working days
Validity term of partial examinations	As stated in article 30.2
Set-up resit examination	
Period	If a student fails the internship period, the examiner in consultation with the Board of Examiners will determine the options and period for resit.
Number of partial examinations	Equal to first examination opportunity
Examination form	Equal to first examination opportunity

Term for publication of examination results	20 working days
Committee to be approached with special requests	
Board of Examiners	

Unit of study		Literature thesis
Code		MED-BMSLIT
Study load		6 EC
Learning objectives		See Prospectus
Information education		
Entry requirements		The application for the Literature thesis must be approved by the Specialisation Coordinator before the start of the Literature thesis.
Registration for tuition		The student submits the application form Literature thesis to the Specialisation Coordinator, at least 6 weeks before start of the literature thesis.
Tuition form		The student answers a research question, performs a literature study and writes a review under structured supervision of a scientist. Specific guidelines for the Literature thesis (including a time limit of 4 weeks, restrictions on topic and supervisors) are published on Brightspace.
Number of contact moments		The student conducts the literature study in 4 weeks (or an equivalent thereof); estimated supervision time is at least 1.5 hours a week.
Language of instruction		English
Study costs		Not applicable
Information examination		
Entry requirements examination		The work plan (application) must have been approved by the Specialisation Coordinator and supervisor
Number of examination opportunities per study year		2
Registration examination		Via approval of the Literature thesis application form.
Deregistration examination		Not applicable
Examination language		English
Period of validity		Unlimited
Determination examination grade		According to article 30; numerically graded. Specific rules apply to examiners and assessment forms, see Rules and regulations of the Board of Examiners and guidelines Literature thesis on Brightspace. Detailed assessment regulations for Literature thesis are printed on the assessment form (available from Brightspace).
Resit of passed examination		Not allowed
Resit of partial examinations		Not applicable
Set-up first examination opportunity		
Period		Flexible, 4-week time period
Number of partial examinations		1
Examination form		Written Literature thesis. See Literature thesis assessment form (approved by the Board of

		Examiners) and guidelines Literature thesis on Brightspace for details.
	Term for publication of examination results	15 working days
	Validity term of partial examinations	Not applicable
Set-up resit examination		
	Period	Flexible, 4 week time period
	Number of partial examinations	1
	Examination form	If a student fails the Literature thesis, the student has to write a complete new Literature thesis on a new topic.
	Term for publication of examination results	15 working days
Committee to be approached with special requests		
	Board of Examiners BMS	

Appendix IV Regulations on fraud

Section 1. Introductory provisions

Article 1. Purpose and scope of these regulations

To prevent fraud during examinations and bachelor/master examinations, as referred to in article 7.12b WHW relating to the education and examination in the Master's programme in Biomedical Sciences of Radboud University (hereinafter: RU), the dean of the Medical faculty adopts the following regulations.

Article 2. Definitions

The terms that are used in these regulations – in so far as these terms are also used in the Higher Education and Research Act (Dutch: Wet op het Hoger onderwijs en Wetenschappelijk onderzoek (hereinafter: the HERA) or the Education and Examination Regulations of the degree programme (hereinafter: the EER) – have the same meaning that is given to these terms in the HERA and the EER.

Section 2. Definition fraud, procedure and sanctions

Article 3. Definition of fraud

1. At RU, fraud is understood to mean any act or omission by a student which, in its nature, is intended to have as an effect that proper assessment of the knowledge, understanding and skills of that student, or another student, is made fully or partially impossible.
2. Fraud is in any case understood to mean:
 - a) fraud when sitting written examinations, including

- i. having materials available which are not permitted under the House Rules Examinations Rooms RU Regulations (*Regeling Huisregels Tentamenruimten RU*);
 - ii. copying or exchanging information;
 - iii. passing oneself off as someone else, or being represented by someone else during examinations or bachelor/master examinations.
 - b) fraud when producing these and other papers, including
 - i. plagiarism in the sense of using or copying someone else's texts, data or ideas without complete and correct source references, plagiarism in the sense of copying the work of another student and presenting this as one's own work and other specifically academic forms of plagiarism;
 - ii. fabricating (making up) and/or falsifying (distorting) research data;
 - iii. submitting a thesis or any other paper that was written by someone else.
 - c) other fraud in the context of examinations or bachelor/master examinations, including
 - i. taking possession of assignments, answer keys and the like, prior to the time the examination or bachelor/master examination is to take place;
 - ii. changing answers to assignments in an examination or a bachelor/master examination after it has been handed in for assessment;
 - iii. providing incorrect information when applying for an exemption, extension of validity period, and the like, of an examination or a bachelor/master examination.
3. For the purpose of these regulations, an attempt to commit fraud will also be seen as fraud.

Article 4. **Procedure establishing fraud**

1. When fraud is suspected, the board of examiners or the examiner immediately informs the student of this suspicion. If the suspicion of fraud is established when the examination is administered, the board of examiners or the examiner will allow the student to complete the examination.
2. The board of examiners or the examiner may order the student to make any material related to the suspicion of fraud available to them.
3. For the purposes of the provisions in paragraphs 1 and 2 of the present article, examiner is also understood to mean the invigilator or any other RU member of staff.
4. The board of examiners or the examiner drafts a report of the suspicion of fraud. The report drafted by the examiner will be sent to the board of examiners without delay.
5. The board of examiners makes the report referred to in paragraph 4 available to the student without delay and then starts an investigation into the matter. The board of examiners provides

the student with the opportunity to respond to the report in writing. The board of examiners hears both the examiner and the student.

6. Within four weeks following the date the report was made available to the student, the board of examiners decides whether fraud was actually committed. The board of examiners informs both the student and the examiner of their decision in writing. The four-week period may be extended by two weeks.

Article 5. **Remedial action**

If the board of examiners has established fraud:

- a) the board of examiners declares the relevant examination invalid, and
- b) the board of examiners includes a statement in the student's student file that it has established fraud and, if applicable, which sanctions have been imposed.

Article 6. **Sanctions**

1. If the board of examiners has established that fraud has been committed, the board of examiners may:
 - a) determine that the student may not sit one or more examinations during a period to be set by the board of examiners, which period amounts to a maximum of one year;
 - b) determine that no distinction will be awarded on the degree certificate;
 - c) make a recommendation to the dean of the Honours Academy that the student should not be admitted to the honours programme of the university or the faculty or recommend that the student's participation in the honours programme of the university or the faculty should be ended.

If the board of examiners has established that *serious* fraud has been committed, the board of examiners may also

- d) make a recommendation to the executive board that the student's registration for a degree programme should be terminated with definitive effect.
2. After the board of examiners has established that serious fraud has been committed, the executive board – upon the board of examiners' recommendation – may terminate the student's registration for a programme with definitive effect.
3. The sanctions referred to in this article are imposed as from the day following the date the student is notified of the decision that sanctions are imposed.

Section 3. **Transitional provisions**

Not applicable

Section 4. Final provisions

Article 7. Decisions and legal protection

1. Decisions pursuant to these regulations may be sent to the student digitally and/or by email.
2. The student can appeal against any decision made under these regulations, within six weeks following the date on the relevant decision, by lodging a notice of appeal at the Examinations Appeals Board (*College voor Beroep van de Examens (CBE)*).

Article 8. Adoption and amendment

1. These regulations are adopted by the dean.
2. In so far as the content of these regulations relates to the duties and powers of the degree programme's board of examiners, the content must also be confirmed by that board of examiners.

Article 9. Effect

These regulations take effect on 1 September 2024. These regulations will then replace any previous regulations

Article 10. Publication

1. The dean ensures the appropriate publication and possible amendments of these regulations.
2. For the purpose of proper and clear provision of information to students and prospect students, the dean includes these regulations as an appendix to the Education and Examination Regulations (*Onderwijs- en Examenreglement (OER)*). Accordingly, the board of examiners includes these regulations accordingly as an appendix to the rules and guidelines of the degree programme to be laid down by that board.

Thus adopted by the dean and the board of examiners on 3 July 2024

Section 1. Introductory provisions

Article 1. Purpose of the regulations

For the proper course of events during examinations and master examination relating to the education and the examination of the Master's programme in Biomedical Sciences that are administered in examination rooms at Radboud University (hereinafter: RU), the dean of the Medical faculty of RU adopts the following regulations.

Article 2. Definitions

The terms that are used in these regulations – in so far as these terms are also used in the Higher Education and Research Act (*Wet op het Hoger onderwijs en Wetenschappelijk onderzoek* (hereinafter: the Act)) or the Education and Examination Regulations of the degree programme (hereinafter: the EER) – have the same meaning that is given to these terms in the Act and the EER.

Article 3. Examiners and invigilators

1. For the administration of examinations the board of examiners of the Master's programme in Biomedical Sciences has appointed one or more examiners.
2. The examiners appointed as referred to in paragraph 1 are responsible for the supervision and execution of the provisions in these regulations. On behalf of the examiner(s) appointed, one or more invigilators may be present in the examination rooms, assigned by or on behalf of the executive board.
3. When invigilators have been assigned, at least one appointed examiner is also present in the examination room or, as appropriate, available on call.

Article 4. Instructions by the executive board

1. This regulation contains instructions in the sense of article 7.57h of the Act. Given the mandating decision of the Executive Board of May 15, 2019, the dean is authorized to adopt these regulations on behalf of the Executive Board. The student is obliged to comply with the instructions laid down in these regulations.
2. A student who fails to comply with any instructions under these regulations may be denied access to the examination room by or on behalf of the examiner. Non-compliance with the instructions may also lead to a suspicion of fraud in the sense of the Regulations on Fraud (Regeling Fraude).

Article 5. **Guidelines for examiners**

These regulations include instructions in the sense of article 7.12b of the Act. The examiner is obliged to comply with the instructions laid down in these regulations.

Article 6. **Instructions by examiners for students**

1. The examiner may give instructions, in the context of the instructions described in these regulations, to a student in the RU examination room if a concrete situation should be cause for this. The student is obliged to comply with these instructions.
2. The student who fails to comply with the instructions referred to in paragraph 1 may be denied access to the examination room by or on behalf of the examiner. Not-compliance with the instructions may also lead to a suspicion of fraud in the sense of the Regulations on Fraud (*Regeling Fraude*).

Section 2. House rules

Article 7. **Admission to the examination room and leaving it**

1. With respect to entering and leaving the examination rooms, the following applies:
 - a. the examination room is accessible for the student at least 15 minutes before the examination starts;
 - b. except in the circumstances described in paragraphs c and d, the student is no longer admitted into the examination room after the examination has started;
 - c. the student who arrives too late at the examination room is given the opportunity, 15 minutes following the start of the examination, to be as yet admitted into the examination room;
 - d. the student is permitted to use the toilet during the examination;
 - e. the student is not allowed to leave the examination room within the first 30 minutes following the start of the examination;
2. In special circumstances the examiner may act contrary to the provisions in paragraph 1. If the provisions in paragraph 1 are departed from, the student will be informed of this in due time.

Article 8. **Student ID**

1. In the examination room the student must be able to furnish proof of identity, at any time, by producing a valid identity document.

2. The student who cannot furnish proof of identity as laid down in the first paragraph of the present article will not be admitted into the examination room or can as yet be denied access to that room.

Article 9. **Start and duration of the examination**

The examiner starts the examination at the time scheduled. If the examination starts at a later moment in time because of relevant circumstances, the examiner ensures that the scheduled duration of the examination can be fully used by the student.

Article 10. **Materials permitted in examinations**

1. When taking the examination, the student is not allowed to have materials available that serve or could serve as auxiliary materials for the examination paper, unless the use of that material has been explicitly permitted by the examiner before the start of the examination.
2. Materials for the purpose of these regulations include, amongst other things: textbooks and dictionaries, notes and lecture notes, and watches, laptops, tablets, telephones and other smart devices and/or wearables.

Article 11. **Handing in examination papers**

1. When the examination ends, the student is obliged to hand in the examination paper.
2. The student may also be requested to hand in other examination materials, such as examination question papers and/or note paper used during the examination.

Article 12. **Peace and order and furniture and fixtures in the examination room**

1. Coats, bags and the like must be placed according to the examiner's instructions.
2. In order to prevent disruption of the Wi-Fi signal, equipment present in the room, including watches, laptops, tablets, telephones, and (other) (smart) devices and/or wearables, are switched off according to the examiners' instructions.
3. Without prejudice to the provisions of the preceding paragraphs, the examiner shall take the measures necessary for proper supervision and for maintaining the necessary order and rest in the examination room before, during and after the examination.
4. At the time of taking the examination, there is at least one clock that is clearly visible to every student in every examination room.
5. Eating and drinking in the examination room is permitted, unless proper supervision and/or maintaining the necessary order and rest is not possible as a result.

Section 3. Transitional provisions

N.A.

Section 4. Final provisions

Article 13. **Departure from rules and house rules**

In special circumstances the examiner may depart from the provisions in these regulations.

Article 14. **Adoption and amendment**

1. These regulations are adopted by the dean.
2. In so far as the content of these regulations relates to the duties and powers of the programme's board of examiners, the content must also be confirmed by that board of examiners.

Article 15. **Effect**

These regulations take effect on September 1, 2024. These regulations ten replace any previous regulations.

Article 16. **Publication**

1. The dean ensures the appropriate publication of these regulations and any amendments of these regulations.
2. For the purpose of proper and clear provision of information to students and prospect students, the dean includes these regulations as an appendix to the Education and Examination Regulations (*Onderwijs- en Examenreglement (OER)*). The board of examiners includes these regulations accordingly as appendix to the rules and guidelines of the programme that are to be laid down by that board.

Thus adopted by the dean on 3 July 2024 and ratified by the Board of Examiners.

Appendix VI Judicium Regulations Master BMS

1. The Board of Examiners is the body that determines whether, and if so, which, judicium is awarded.
2. The judicium
 - a. “cum laude” is awarded if the weighted average result of the final assessment of the components referred to in paragraphs 3 and 4 is greater than or equal to 8.0, or
 - b. “summa cum laude” is awarded if the weighted average result of the final assessment of the components referred to in paragraphs 3 and 4 is greater than or equal to 9.0.
3. The judicium is calculated on all components of the examination programme for which a mark has been awarded on a scale from 1 to 10.
4. A judicium as described in paragraph 2a or 2b is only awarded if the internships have been assessed with at least an 8.0 and the average of all theoretical components is at least 8.0
5. The number of ECs of the component as referred to in paragraph 3 applies as a weighting factor in the calculation of the weighted average result.
6. The judicium is not awarded if two or more components of the examination programme have been retaken or if a component has been retested more than once, subject to the authority of the Board of Examiners to make a different reasoned decision.
7. The judicium is not awarded if fraud has been detected in one of the components of the entire examination programme.