

Education and Examination Regulations for the Bachelor (BSc) Regenerative Medicine and Technology (RMT) 2024-2025 of Maastricht University's Faculty of Health, Medicine and Life Sciences, as referred to in Article 7.13 of the Higher Education and Research Act.

These rules have been adopted by the Dean of the Faculty of Health, Medicine and Life Sciences of the Maastricht University (UM) after acquired advice/consent from the Education Programme Committee (Opleidingscommissie) and after acquired advice/consent from the Faculty Council, Faculty of Health, Medicine and Life Sciences (Faculteitsraad) on 11 June, 2024.

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Section 1 General provisions

Article 1.1 Applicability of the regulations

1. These regulations apply to the education, exams and final examination of the Regenerative Medicine and Technology bachelor's programme, hereinafter referred to as the programme.
2. The programme is provided by Maastricht University's Faculty of Health, Medicine and Life Sciences, hereinafter referred to as the Faculty.
3. The regulations apply to all students who are registered for the programme in the 2024-2025 academic year and replace in principle all previous rules (if existing).
4. The replacement of the former regulations (if existing) may not disadvantage student(s) involved. In cases where the new regulations disadvantage students, the Board of Examiners will find a solution.
5. Contrary to the content of article 1.1. sub 3 and 4, the bachelor programme and the associated exam components however still apply as specified in the regulations (if existing) corresponding to the academic year students entered into this programme.
6. These regulations are determined annually by the Board of the Faculty of Health, Medicine and Life Sciences upon advice/consent of the Education Programme Committee and upon the advice/consent of the Faculty Council Faculty of Health, Medicine and Life Sciences.
7. These regulations also apply to students from other programmes, faculties, or institutions of higher education, insofar as they follow components of the programme to which these Education and Examination Regulations apply.
8. For components of the programme that students follow at another degree programme, faculty, or institution of higher education, the Education and Examination Regulations for the other programme, faculty or institution apply to the component in question.

Article 1.2 Definition of Terms

In these regulations the following definitions apply:

- a. academic year: the period from 1 September of a calendar year up to and including 31 August of the following calendar year;
- b. the Act: the Higher Education and Scientific Research Act (Wet op het Hoger Onderwijs en Wetenschappelijk Onderzoek, WHW);
- c. Board of Admissions: the board responsible for judging the admissibility of the candidate to the programme;
- d. Board of Examiners: the board for the programme as referred to in Section 7.12 of the Act;
- e. competence: a collection of knowledge, skills and attitudes developed by students during the programme; the competences are spread over four domains as described in the nominal plan for this programme;
- f. course: a study unit of the programme within the meaning of the Act;
- g. course assessment plan: document describing the assessment processes, procedures and activities of the course;
- h. course coordinator: an examiner who is responsible for the organisation, implementation, and assessment of the education within a particular course;
- i. course exam: a component of the final examination as referred to in Section 7.10 of the Act. An exam may consist of several components;
- j. course year: year 1, year 2, or year 3 of the programme;
- k. credit: a unit expressed in ECTS (European credit transfer and accumulation system) credits, with one credit equalling 28 hours of study;
- l. Disability support (DS): the central point at UM where students with a disability and/or chronic illness can apply for facilities or support;
- m. Education Programme Committee: the representation and advisory body that carries out the duties described in Article 9.18 and 9.38c of the Act;
- n. examiner: the person designated by the Board of Examiners who is responsible under Section 7.12c of the Act for administering exams and determining the results of such exams;
- o. Faculty Board: the Faculty Board as referred to in Section 9.12 of the Act;
- p. final examination: the collection of results of all exams and its components, as referred to Section 7.3 of the Act;

- q. internship: several weeks stay in a research group to perform a research project that will result in a thesis;
- r. mentor: person who supervises the assembling of the portfolio by the student and who provides guidance and advice in relation to the student's competence and career development; the mentor in agreement with the shadow mentor will perform the final assessment of each student on professional development;
- s. mentor coordinator: an examiner who will formally assess professional development if there is a disagreement between the two mentors, or if the student disagrees with the assessment of the mentors;
- t. portfolio: the tool used to monitor and assess a student's learning process and competence development;
- u. programme: the bachelor's programme referred to in Article 1.1 of these regulations, consisting of a coherent whole of study units;
- v. registration: record if the requirements for a specific examination component have been met or record for enrolment into educational activity
- w. Rules and Regulations: the provisions to be laid down by the Board of Examiners with the aim of guaranteeing the quality of the assessment and the final examination as referred to in Section 7.12b of the Act;
- x. skills training: an activity aimed at achieving specific skills as referred to in the Act, including:
 - performing laboratory experiments
 - participating in practical training sessions
 - writing a paper, or another written assignment
 - writing and defending a bachelor's thesis
 - participating in project groups
 - participating in journal clubs
 - performing a research assignment
 - creating a technological design,
 - participating in fieldwork or a field trip
 - completing an internship
- y. shadow mentor: person, who independently reads the portfolio of a student and discusses the assessment with the mentor (4-eye-principle);
- z. student: an individual who is registered at Maastricht University for education and/or to take the exams and the final examination of the programme;
- aa. Student Portal: the electronic learning environment for the programme, which includes and refers to further details about programme-specific provisions and information, such as CanVas, student intranet, FHML web;
- bb. UM: Maastricht University

The other terms have the meaning assigned to them by the Act.

Section 2 Admission

Article 2.1 Matching

Participation in matching is an optional part of the admission procedure. A more detailed description of the nature, content, deadlines for, and consequences of the matching process can be found on the UM website.

Article 2.2 Admission requirements

Persons who have a Dutch pre-university education diploma as referred to in Section 7.24 of the Act or have been exempted from this requirement under the Act are eligible for admission to the programme. More detailed information about the admission requirements of the programme, such as prior qualifications and language requirements, can be found on the UM website (Education – Bachelor's – Regenerative Medicine and Technology – Admission requirements).

Article 2.3 Colloquium Doctum (Entrance examination)

1. The admissions test referred to in Article 7.29 of the Act is performed by the Colloquium Doctum and Special Admissions Board.
2. The admissions test consists of the components English language, physics, chemistry, mathematics, and biology.
3. The Colloquium Doctum and Special Admissions Board can grant an exemption for components of the test if, in the Board's judgement, the candidate has demonstrated that the student meets substantively similar requirements.
4. The rules and procedures regarding the admissions test will be included in regulations concerning admission requirements to the programme which can be found on the UM website.

Article 2.4 Previous education for students with non-Dutch diplomas

1. Subject to the third paragraph of this article, students who have a diploma which, pursuant to Article 7.28(2) of the Act, has been designated by ministerial regulation as at least equivalent to the diploma for pre-university education are exempted from the previous education requirements.
2. Subject to the third paragraph of this article, students who have a diploma, which, in the judgment of the Colloquium Doctum and Special Admissions Board is at least equivalent to the diploma for pre-university education may be exempted by the Executive Board from the previous education requirements.
3. Students who have received an exemption from the previous education requirements pursuant to the first and second paragraph cannot be admitted to the programme until, in the assessment of the Colloquium Doctum and Special Admissions Board, requirements substantively similar to the further previous education requirements (profiles) have been met.
4. The rules and procedures regarding the assessment referred to in the third paragraph will be included in regulations concerning admission requirements to the programme which can be found on the UM website.

Article 2.5 Language requirement for non-Dutch diplomas

Holders of a non- Dutch diploma may only register:

- a. if they have met the requirement concerning a sufficient command of English by passing one of the following language proficiency tests before the programme begins:
- b. Academic IELTS: 6.0
- c. TOEFL iBT: 80
- d. TOEFL iBT Special Home Edition Test: 80
- e. TOEIC listening and reading: 670; speaking and writing: 290
- f. Cambridge First B2: Grade B (scale 173-175) or, Grade C (scale 169-172)
- g. TOEFL Paper-delivered Test: Reading: 20-30; Listening: 20-30; Writing: 20-30 (*We recommend taking one of the other tests listed above, as speaking skills are not assessed in this TOEFL test*)
- h. or similar accredited certification if they are exempt from the language proficiency tests requirement referred to under a (see Appendix 1).

Section 3 Content and structure of the programme

Article 3.1 Aim of the programme, competencies and final qualifications (intended learning outcomes at programme level)

1. The aim of the competency-based Bachelor RMT is to educate undergraduates who can develop medical therapies, products and devices for research and clinical use in RM. Students will be trained in five main areas:

I: natural and formal sciences (biology, chemistry, physics, mathematics, data science), II: engineering (design, technologies, material science and engineering), III: medicine (physiology, anatomy, etc.), IV: enabling technologies (imaging, modelling, programming, etc.), and V: entrepreneurship, all intertwined with regenerative medicine.

2. The Bachelor RMT adopts three (combined) competencies to characterise the profile of its graduates. Graduates will be a Scientist & Engineer (S&E competency), a Researcher & Designer (R&D competency) and a Professional & Communicator (P&C competency).
3. Graduates of the programme must have attained the following sixteen final qualifications (intended learning outcomes at programme level), derived from the three competencies

FQs	The student:
S&E 1	Explains and elaborates on the key principles and various technologies of regenerative medicine.
S&E 2	Recognises and understands the potential of regenerative medicine for addressing the limitations and challenges of contemporary medicine.
S&E 3	Describes and explains the basic concepts of cell biology and chemistry, necessary to apply and develop technology for applications in regenerative medicine.
S&E 4	Explains and elaborates on the basic concepts of medicine and medical technologies, necessary to apply and develop technology for applications in regenerative medicine.
S&E 5	Explains and elaborates on the basic concepts of mathematics and statistics, necessary to apply and develop technology for applications in regenerative medicine.
S&E 6	Describes and explains the basic concepts of data and computational science, necessary to apply and develop technology for applications in regenerative medicine.
S&E 7	Describes and explains the basic concepts of physics, engineering and materials science, necessary to apply and develop technology for applications in regenerative medicine.
S&E 8	Recognises and understands the strengths and relevance of individual disciplines but is also able to transcend individual disciplines to address research and/or design challenges in regenerative medicine.
R&D 1	Is able to independently apply relevant laboratory skills and techniques to conduct research in regenerative medicine.
R&D 2	Understands, appreciates and critically assesses the process of scientific research to obtain academic knowledge and insight, and is able to draw conclusions based on evidence in a logically structured fashion.
R&D 3	Readily evaluates, selects and applies scientific methodology and available technology to address current challenges and problems in regenerative medicine or in a related biomedical field, and contributes to finding an innovative solution.
R&D 4	Based on obtained research results or applied technologies, contributes to the realisation of novel, innovative and marketable clinical or (bio)medical products/therapies.
P&C 1	Organises study, work and research efficiently and effectively, and within given time constraints.
P&C 2	Adjusts style and type of communication and argumentation to the audience and the occasion.
P&C 3	Shows awareness of various team roles, functions efficiently in multidisciplinary and otherwise diverse teams, values diversity in a broader sense, and takes into account ethical standards and societal, economic and regional and global contexts.
P&C 4	Self-reflects, is aware of the working environment, forms and expresses own opinions, takes responsibility for own personal and academic growth and development, and embraces lifelong learning.

4. The programme's educational activities are based on core values and norms laid down in the Maastricht University Rules of Conduct and the principles of research integrity and the ensuing guidelines for good research practices as laid down in the Netherlands Code of Conduct for Research integrity (see UM website). Participants of the programme (staff and students) are expected to operate within the principles.

Article 3.2 Form of the programme

This is a full-time programme.

The programme commences once a year in September.

Article 3.3 Language of instruction as referred to appendix 2

1. The programme is taught in English.
2. The course exams are held in English.
3. The use of dictionaries is not permitted during exams.

Article 3.4 Communication and announcement of decisions

1. The Faculty Board, the Board of Examiners and the examiners use the Student Portal, and/or UM mail account for communications relating to teaching and exams.
2. The Faculty Board, the Board of Examiners and the examiners use the Student Portal and/or UM mail account to announce decisions.
3. The student must regularly check its UM mail account, the Faculty website, Student Portal and Intranet. Information disseminated via e-mail, Student Portal and Intranet is assumed to be known.

Article 3.5 Study load

The Bachelor RMT has a total study load of 180 ECTS credits, with one credit equalling 28 hours of study. Each course year has a study load of 60 ECTS.

Article 3.6 Content of the programme

1. The Bachelor RMT has a major-minor structure. The major has a study load of 150 ECTS credits, the minor has a study load of 30 ECTS. The content of the programme is also listed in Appendix 3.
2. The first and second year each comprise six thematic courses. Three longitudinal learning lines run in parallel to the courses in year 1 and 2 and are interlinked to the course's content: the academic development line, lab skills line, and design project line. The third year commences with a minor period (20 weeks) subdivided in three periods while in the second half of Year 3 students conduct their graduation project (20 weeks) at a university, in a hospital or in industry, in the Netherlands or abroad.
3. Modular curriculum structure
The courses in year 1 lay the foundation of the programme; it is here that the students acquire the basic knowledge and develop practical skills in biology, chemistry, physics, technology & engineering, mathematics (including scripting and statistics), and medicine. The first year courses safeguard the gaining of basic knowledge and skills that form the pillars of biomedical sciences and technology before being integrated with other disciplines and applied to more complex cases in year 2. In the first half of the third year, students follow a minor offered within FHML, at another UM Faculty or at another university in the Netherlands or abroad.
4. Longitudinal lines
The coherence of the programme is strengthened by its spiral curriculum in which the most relevant themes/disciplines in the programme (science, engineering, enabling technologies, medicine, and entrepreneurship) recur in both Year 1 and Year 2 courses. This ensures repetition and deepening of the acquired knowledge, further development of skills and their

application in a new situation. Entrepreneurship is an example of a theme that is introduced in year 1 and also forms a bridge from year 2 to year 3 which further focuses on valorisation and translation. The three longitudinal lines are rooted in the R&D and P&C competencies and run in parallel with the first- and second-year's courses

- More detailed information on the curriculum content can be found in the following figure and the respective course descriptions in the Student Portal.

Year 1 (Foundation)			
Academic development line 8 EC	Lab skills line 7 EC	1.1 The Molecular Basis of Life 8 EC	Orientation Design Project 4EC
		8w Cell biology, chemistry & materials	
		1.2 Foundations of Engineering 8 EC	
		8w Maths, physics, engineering & design, technology	
		1.3 Regenerative Medicine in Society 4 EC	
		4w Ethics, valorisation & entrepreneurship	
1.4 Principles of Medicine 8 EC			
8w Anatomy, physiology, pathology, immunology			
1.5 Coding and Data Crunching 9 EC			
8w Scripting, data analysis, statistics			
1.6 The Intrinsic Regenerative Capacity of the Human Body 4 EC			
4w Cell biology, regeneration, physiology			
Year 2 (Application)			
Academic development line 8 EC	Lab skills line 7 EC	2.1 Cells: From Lab to Production 5 EC	Design Project : Clinical Track 7 EC Design Project: Technological Track 7 EC
		8w Cell biology, regeneration, technology	
		2.2 Materials Science in Biological Applications 8 EC	
		8w Chemistry & materials, engineering & design	
		2.3 Technological Trends in Regenerative Medicine 4 EC	
		4w Technology, regeneration, anatomy, physiology, pathology, immunology	
2.4 Data Analysis and Modelling in Biomedical Sciences 9 EC			
8w Maths, scripting, modelling & simulation			
2.5 Advanced Technologies for Regeneration 8 EC			
8w Engineering & design, regeneration, technology			
2.6 From Research to Market Value 4 EC			
4w Ethics, valorisation & entrepreneurship			
Year 3 (Translation)			
3.1 <i>Foundation (8w)</i>			
3.2 <i>Application (8w)</i>		MINOR 30 EC	
3.3 <i>Translation (4w)</i>			
THESIS (20w, 30 EC)			

Year 1 (Foundation)			
Academic development line 8 EC	Lab skills line 7 EC	1.1 The Molecular Basis of Life 8w Cell biology, chemistry & materials 8 EC	Orientation Design Project 4EC
		1.2 Foundations of Engineering 8w Maths, physics, engineering & design, technology 8 EC	
		1.3 Regenerative Medicine in Society 4w Ethics, valorisation & entrepreneurship 4 EC	
		1.4 Principles of Medicine 8w Anatomy, physiology, pathology, immunology 8 EC	
		1.5 Coding and Data Crunching 8w Scripting, data analysis, statistics 9 EC	
		1.6 The Intrinsic Regenerative Capacity of the Human Body 4w Cell biology, regeneration, physiology 4 EC	

Year 2 (Application)			
Academic development line 8 EC	Lab skills line 7 EC	2.1 Cells: From Lab to Production 8w Cell biology, regeneration, technology 5 EC	Design Project: Clinical Track 7 EC Design Project: Technological Track 7 EC
		2.2 Materials Science in Biological Applications 8w Chemistry & materials, engineering & design 8 EC	
		2.3 Technological Trends in Regenerative Medicine 4w Technology, regeneration, anatomy, physiology, pathology, immunology 4 EC	
		2.4 Data Analysis & Modelling of Biosystems 8w Maths, scripting, modelling & simulation 9 EC	
		2.5 Advanced Technologies for Regeneration 8w Engineering & design, regeneration, technology 8 EC	
		2.6 From Research to Market Value 4w Ethics, valorisation & entrepreneurship 4 EC	

Year 3 (Translation)	
3.1 Foundation (8w)	
3.2 Application (8w)	MINOR 30 EC
3.3 Translation (4w)	
THESIS (20w, 30 EC)	

Article 3.7 Minor

1. Within the framework of the third year of the programme (semester 5), the student may choose a minor offered by the Faculty.
2. In addition to paragraph 1 students may – subject solely to prior approval of the Board of Examiners and the Board of Examiners of the other programme – choose to take minors provided by another UM faculty, another Dutch university, or a foreign university.

3. The Board of Examiners may withhold the approval referred to in paragraph 2 if, in its opinion, the proposed elective is in terms of content too similar to components taken previously or to be taken by the student and would result in duplication.
4. The minor must have a total study load of at least 30 ECTS. If the chosen minor has a study load of more than 30 ECTS, these credits will also be noted on the list of examination components, but will not count towards the study load referred to in Article 3.5.
5. All practical details are set out in the document 'Rules and Requirements minors' year 3 BMS-study year'. This document can be found on the Student Portal/intranet.

Article 3.8 Flexible programme and flexible bachelor

1. A student registered for the programme may, under certain conditions, formulate an educational programme of its own that deviates from the educational programme stated in Article 3.6. The composition of such a programme requires prior approval by the Board of Examiners.
2. The flexible programme must have a study load of 180 ECTS.
3. The Board of Examiners will decide whether to grant permission for the student's proposal within four weeks of receiving the proposal.

Article 3.9 Honours programme

1. Under the condition that RMT students meet the specific selection criteria, they can enrol in the FHML or UM-wide honours programme (MARBLE+). The selection procedure, composition, and information on the programme study load, are published on the UM website.
2. No credits are obtained for the honours programmes but a certificate will be added to the diploma if an honours programme has been followed successfully, see Article 6.4.

Article 3.10 Combining the programme with pregnancy and care tasks

1. With regard to pregnancy and/or childcare (and/or other care tasks initially limited to family members in the first line), the Board of Examiners may set up a custom programme for bachelor students upon their written request.
2. The request of the student in question referred to in paragraph 1 should be accompanied by a specific proposal for a programme that has been prepared in consultation with the study advisor.
3. The Board of Examiners strives to make a decision as soon as possible but no later than 2 months after submission of the request.

Article 3.11 The final examination

1. The final examination consists of the components of the 3 course years as listed in general in Article 3.6, paragraph 5.

Article 3.12 Extracurricular education

Extracurricular education does not form part of the final examination for the bachelor's programme and is not included on the list of examination components for this final examination. The full Regulations on Extracurricular Education can be found on the Intranet.

Section 4 Education

Article 4.1 Composition

1. The education is competence-based and the educational outcomes are defined in three competencies (competence domains): Scientist & Engineer (S&E competency), Researcher & Designer (R&D competency) and Professional & Communicator (P&C competency). For these

three competencies the student gathers relevant information and feedback on its competence development in an electronic portfolio.

2. For the programme components, courses and longitudinal tracks are provided with a study load as stated in Article 3.6, paragraph 5.
3. The education will be provided in the form of tutorial group meetings, study groups, practical training sessions, lectures, individual supervision, training sessions, or otherwise.
4. The programme takes 40 weeks per year.

Article 4.2 Prior knowledge; course year entrance requirements

Students can only progress to the next course year if they meet the entrance requirements for that course year at the start of the year. See Article 5.3 for the relevant entrance requirements.

Article 4.3 Course registration

Students may only partake in a course if they are registered by the applicable deadline.

Article 4.4 Attendance and active participation

1. Each student is expected to attend and actively participate in all components of the programme for which the student has been registered.
2. Attendance and active participation is part of the Professional & Communicator competency (P&C competency) and is assessed within the longitudinal trajectory of this competence.
3. Students who have been granted top-class athlete status may qualify for an adjusted attendance and participation requirement.
4. Students who have a medical impairment may qualify for an adjusted attendance and participation requirement pursuant to the recommendation of the SSC-Disability Support and/or study advisor.
5. In exceptional cases, the Board of Examiners may, at the student's request, interpret this attendance and participation requirement differently if the exam and assessment of the required skills may, in its opinion, also be performed if the attendance and active participation requirements are not met, with or without additional requirements being imposed.

Article 4.5 Partaking in courses and priority rules

1. Subject to the Board of Examiners' permission, students of other scientific programmes provided by Maastricht University and other research universities may, in principle, also access the minor course 1 (period 3.1, 8 weeks), minor course 2 (period 3.2, 8 weeks) and minor course 3 (period 3.3, 4 weeks) from the bachelor's programme provided there are sufficient resources such as available rooms and lecturers. Access is limited to students who have been admitted to the second course year of their study programme in accordance with the applicable Education and Examination Regulations.
2. Partaking in courses with a limited capacity is based on pre-determined and published admission criteria and priority rules, on the understanding that the students registered for the programme will be given priority for those courses that are a compulsory part of their programme.

Section 5 Assessment

Article 5.1 General

1. For each examination component of the programme, the student will be tested for academic training and the extent to which the student has sufficiently achieved the stated intended learning objectives.
2. The student will have formative and summative assessment moments.

3. The assessment plans for the courses and the competency domains for the longitudinal learning lines (tracks) describe the achievements required to pass and the criteria on which these are assessed. The detailed assessment plans are published on the Student Portal.
3. The Rules of Procedure at Exams describe the procedures and logistics of (course) exams; assessments must be carried out in accordance with these regulations. The regulations can be found on the Intranet.

Article 5.2 Marks and Ratings

1. Marks are awarded on a scale of 1 to 10 up to one decimal place accurately.
2. To pass a course or other exam component, the participant must receive a final mark of '5.5' or higher.
3. Notwithstanding the rules in article 5.2.2, the participant must at least receive a final mark of 6.0 for the internship/thesis/defence to pass.
4. The assessment of longitudinal lines (academic development line, lab skills line, design project) is expressed by a qualification as Good, Pass, or Fail and the credits are awarded at the end of the academic year.
5. If ratings are used, the final assessment for the relevant exam component is a pass if the student receives at least a Pass rating.

Article 5.3 Access to education and exams

1. If the student has obtained 60 credits of course year 1, the student may participate unconditionally in all teaching activities and exams of course year 2.
2. Notwithstanding the provisions of paragraph 1, students, who have obtained at least
 - a. the credits of three of the four 8 weeks courses in course year 1, and
 - b. the credits of one of the two 4 weeks courses in course year 1, and
 - c. the credits of two out of three longitudinal learning lines Academic Development Line, Orientation Design Project Line and 5 (out of 7) credits of the Lab Skills Line (where 2 credits are withheld in the event of an unmet required attendance) in course year 1, are conditionally admitted to all teaching activities and exams of the second course year. They have to repeat failed exams or the failed components of these exams of the first course year in parallel to course year 2 activities and have to either repeat or remediate failed assessment tasks as detailed in the assessment and remediation plans. The programme is not responsible for scheduling these parallel activities in an optimal way but will facilitate where possible.
3. Students who have obtained fewer credits than the required total of credits as mentioned in paragraph 2 above at the start of any academic year, cannot access the education and exams for the second and third course years of the programme for the entire duration of that academic year.
4. Students who have obtained the full 120 credits for both the first and second course year are admitted unconditionally to all teaching activities and exams of the third year.
5. Notwithstanding the provisions of paragraph 4, students who have obtained all 60 credits of the first year, and at least
 - a. the credits of three of the four 8 weeks courses in course year 2, and
 - b. the credits of one of the two 4 weeks courses in course year 2, and
 - c. the credits of two out of three longitudinal learning lines Academic Development Line, Design Project Line and 5 (out of 7) credits of the Lab Skills Line (where 2 credits are withheld in the event of an unmet required attendance) in course year 2, are conditionally admitted to teaching activities and exams of the third course year. They also have to repeat failed exams or the failed components of these exams of the second course year in parallel and have to repeat or remediate failed competencies (as detailed in the assessment and remediation plans). The programme is not responsible for scheduling these parallel activities in an optimal way but will facilitate where possible. In case students need to participate in an exam and/or need to repeat or remediate failed competencies of the second year and they are following a minor in the third course year outside the UM, it is the students' own responsibility to return to Maastricht. No other time frames than the regular, scheduled exams nor other exam possibilities are offered.

6. Students who have obtained fewer credits than the required total of credits as mentioned in paragraph 5 above at the start of any academic year, cannot access the education and exams for the third course year of the programme for the entire duration of that academic year.7. Students may only take part in the education and exams if they are registered by the applicable deadline.

Article 5.4 Scheduling and frequency of exams

1. Students can take all exams twice per academic year on dates to be determined by the faculty board: once during or directly after the course period and once as a scheduled resit in the designated period of the academic year. The time periods in which the exams can be taken are published on the FHMLweb and/or Intranet.
2. If a student passes to the higher year, in case of failed courses the student can register for two successive exam options as detailed in paragraph 1 for the failed course exam(s) in the next study year.
3. The times and frequency of exams or components thereof are stated in the relevant assessment plans. The plans also state how and when students can resit/remediate these exam components.
4. In exceptional cases, the Board of Examiners may decide to conduct exams at a time other than those specified in paragraphs 1 and 2.

Article 5.5 Form of the exams

1. The exam format depends on the knowledge and skills to be assessed and will be announced via the assessment plans or no later than at the start of the course.
2. In consultation with the Board of Examiners, the examiner may decide that due to the small number of students or due to the nature and content of a course, an originally written course exam can be taken as an oral exam or can include one or more written essays, which students may or may not have to present and defend orally.
3. Pursuant to the recommendation of the SSC-Disability Support and/or study advisor, the Board of Examiners will give students with a disability the opportunity to take exams in a manner that accommodates their specific disability as much as possible. The Board of Examiners will seek expert advice where necessary before reaching a decision.

Article 5.6 Oral exams

1. Oral exams are conducted on an individual basis unless the Board of Examiners has stipulated otherwise.
2. Oral exams are administered by two examiners unless the Board of Examiners has stipulated otherwise.
3. Oral examinations are public unless the student has objections against the public nature or the Board of Examiners or the relevant examiner has stipulated otherwise in exceptional cases.

Article 5.7 Assessments in exceptional cases

1. A student can submit a request to the Board of Examiners for an individual assessment. This request may be granted if not granting an individual assessment would result in an unacceptable study delay.
2. The following criteria apply to the granting of an individual assessment for the final component of the programme:
 - If, to pass the final bachelor's examination, a student only needs at most one component in the 3rd course year;
 - It must be the final study result to be obtained;
 - The study delay, in case the individual assessment is not granted, must be at least one semester;
 - The student must have taken part in the last two regular exam opportunities for the exam for which the student is requesting another assessment.
3. Requests for exceptional assessments must be submitted with supporting documents to the Board of Examiners as soon as possible.

Article 5.8 Written assignments and bachelor's thesis

1. The programme management draws up guidelines for written assignments. The guidelines for writing reports and the guidelines for writing a bachelor's thesis can be found on the Student Portal.
2. The bachelor's thesis must be written individually.
3. The bachelor's thesis will be assessed by at least two examiners (the first supervisor and a second examiner). In addition to the assessment of the written thesis, the two examiners will assess an oral bachelor thesis' defence. This oral defence will include a short presentation by the student, followed by questions from the examiners.
4. The student will undertake one thesis supervised and assessed by the Faculty over the course of the programme.

Article 5.9 Internship (Placement)

1. The programme management lays down the requirements that internships must meet in terms of nature and content in the form of internship regulations. These regulations are published on the Student Portal. The internship coordinator decides on behalf of the programme management whether a proposed internship meets the requirements.
2. The Board of Examiners appoints an examiner as the supervisor for each internship and the related thesis.
3. The student will undertake no more than one internship supervised by the Faculty over the course of the programme.

Article 5.10 Determination and announcement of exam results

1. In the Rules and Regulations, the Board of Examiners determines the standards for assessing each exam component. These standards are included in the assessment plans.
2. The examiner determines the result of a written exam and provides the Board of Examiners with the necessary information to officially notify the student of the result within 15 working days of the date on which the exam was taken.
3. The period stipulated in paragraph 5.10.2 and 5.10.3 may be extended if the Board of Examiners considers it necessary to investigate the exam result further.
4. The examiner determines the results of oral exams and provides the student and the educational organisation/the Board of Examiners secretary's office with evidence of the result at the latest the next day the exam is taken. If several students take the same exam after each other on different days, this period can be extended by a maximum of five working days.
5. For all other forms of exams, the Board of Examiners specifies in advance how the result will be determined and what the applicable time period is.

Article 5.11 Right of inspection

1. Within 10 working days after notification of the result of a written exam, including a computer-based exam, a student can inspect their individual assessed work.
2. Within the period referred to in paragraph 1, the student in question may inspect the questions and assignments for the written exam and the standards on which the assessment was based.
3. Participants will be informed of how to exercise their right of inspection when they are notified of the result of a written exam, with due observance of paragraph 5.11.1.

Article 5.12 Invalidation of exams

If an exam involves irregularities that make it impossible to accurately assess the candidate's knowledge, insight, and skills, the Board of Examiners may declare the exam invalid for both the examinee and/or a group of examinees.

Article 5.13 Period of validity

1. In principle, a pass mark for a course exam is valid for an unlimited period.
2. Contrary to the above, the Board of Examiners may require the student to take an additional or replacement exam or assignment for an exam or other examination component that was passed more than 6 years ago if the student's knowledge or insight that was examined is demonstrably outdated or the skills that were examined are demonstrably outdated.
3. If exceptional circumstances apply as referred to in Article 7.51 paragraph two of the Act, the period of 6 years in paragraph one will be extended by the duration of the financial support the student receives from the profiling fund.

Article 5.14 Retention period for exams/final examination

1. The exercises, including answer keys/response models, the elaborations/answers, and the assessed work for assignments/exams will be retained in paper or digital format for two years after the exam/final examination result is determined.
2. The final theses awarded a pass mark and the evaluation of these will be retained for at least seven years after the evaluation.
3. The diploma and accompanying list of marks will be retained for 30 years.

Article 5.15 Exemption

1. The Board of Examiners may, at a student's request and having heard the relevant examiner, grant the student an exemption from taking an exam if the student demonstrates in writing to the Board of Examiners' satisfaction that the student has previously:
 - either passed an exam for a university or higher professional education programme that was similar in terms of content and level, or
 - demonstrated sufficient knowledge and skills relevant to the exam in question, either through work or professional experience.
2. A maximum of 60 ECTS for the programme may be granted on the basis of exemptions.
3. The bachelor's thesis is excluded from this exemption option.
4. To qualify for an exemption, students must submit a written request to the Board of Examiners at least six weeks before the start date of the relevant course.
5. The Board of Examiners will not grant an exemption based on exams outside the programme passed by a student during a period in which the student was barred by the Board of Examiners from taking exams for the programme due to fraud.
6. The same period of validity applies to exemptions as to exam results.

Article 5.16 Fraud

1. 'Fraud' including 'plagiarism', means an act or omission by a student that makes it entirely or partly impossible to properly assess its knowledge, insight, and skills. The term fraud also refers to attempted fraud.
2. 'Plagiarism' means the presentation of ideas or words from one's own or someone else's sources without properly acknowledging the source.
3. If the Board of Examiners establishes that a student has engaged in fraud with respect to an exam or exam component, the Board of Examiners can take appropriate measures.
4. In serious cases of fraud, the Board of Examiners can propose to the Executive Board of Maastricht University that the student(s) concerned be permanently deregistered from the programme.
5. The Rules and Regulations include further provisions (General FHML/UM-Regulation for Fraud and Irregularities) about what constitutes fraud and what disciplinary measures the Board of Examiners may impose. These regulations are available on the Intranet at the start of the academic year.

Article 5.17 Unsuitability (Iudicium Abeundi)

1. In exceptional cases and after careful consideration of the interests involved, the Board of Examiners or the dean/the faculty board may ask the executive board to terminate or, as the

case may be, refuse the enrolment of a student in a programme, if that student, through its behaviour or opinions ventured, has demonstrated its unsuitability for the practice of one or more professions for which he is trained by the programme he follows, or, as the case may be, for the practical preparation for the practice of the profession.

2. The dean/the Faculty Board, the Board of Examiners, and the Executive Board will reach a decision in accordance with the Iudicium Abeundi Protocol adopted by the Dutch Federation of University Medical Centres.
3. The relevant clauses of Maastricht University's Enrolment Provisions apply.

Section 6 Final Examination

Article 6.1 Final examination

1. The Board of Examiners determines the result and date of the final examination and issues the certificate as referred to in Article 6.3 as soon as the student has satisfied the exam requirements of the programme.
2. Prior to determining the result of the final examination, the Board of Examiners may conduct its own investigation into the student's knowledge in relation to one or more components or aspects of the programme if and insofar as the results of the relevant exam give reason to do this.
3. To pass the final examination, the student must obtain a registration for all components.
4. To pass the final examination and receive the certificate, the student must also have been registered for the programme during the period that the exams were taken, the student was supervised or the student's work was assessed.
5. A certificate may only be issued after it has been shown that the student has satisfied all obligations, including the payment of the tuition fees.
6. The last day of the month in which the student satisfied all the examination obligations will be considered the final examination date (date of graduation).
7. Students who have passed the required final examination and who are entitled to the issuance of a certificate may, stating reasons, ask the Board of Examiners to refrain from doing so for the time being. This request must be submitted at least one month before the final assignment is returned or the final exam is taken.

The Board of Examiners will in any event grant the request and for a period to be determined by the Faculty if the student:

- is selected by the Faculty for a double degree, an extracurricular internship or an extracurricular exchange, or
- holds or will hold a board position for which at least nine months of financial support is awarded from the profiling fund, or holds or will hold an 'INKOM' board position.

The Board of Examiners may also grant the request if refusal would result in extreme unfairness because of the fact that the student concerned could not have taken the automatic graduation into account in its study plan.

Article 6.2 Degree

Students who have passed all required exams for the bachelor's programme will be awarded the degree 'Bachelor of Science'.

Article 6.3 Certificate and statements

1. The Board of Examiners issues a certificate as evidence that the participant has passed the final examination, once it has been stated by or on behalf of the UM's Executive Board that the procedural requirements for receiving the certificate have been met. The certificate is based on the model adopted by the UM's Executive Board. One certificate will be issued per degree programme, even if the student completes several programmes.
2. The pass certificate for the final examination states:
 - a. the name of the institution;
 - b. the name of the programme;
 - c. the final examination components;

- d. the degree awarded;
 - e. the date on which the programme was last accredited or underwent the new programme assessment.
3. In accordance with Article 6.1, paragraph 7, students who are entitled to the issuance of a certificate may ask the Board of Examiners to refrain from doing so for the time being, stating reasons.
 4. The certificate is signed by the Chair of the Board of Examiners or its appointed deputy and the dean of the Faculty or its appointed deputy.
 5. The certificate is awarded in public unless the Board of Examiners determines otherwise in exceptional cases.
 6. The certificate includes a list of examination components.
 7. The Board of Examiners includes a diploma supplement as referred to in Section 7.11(4) of the Act with the certificate. This diploma supplement is based on the model adopted by UM's Executive Board; it complies with the agreed European standard format.
 8. The Board of Examiners may award the '*cum laude*' designation in accordance with the provisions of the Rules and Regulations.
 9. A participant who has passed more than one exam and who cannot be issued a certificate will, upon request, receive a statement issued by the Board of Examiners listing the exams the student has passed.

Article 6.4 Honours Programme certificate

1. The programme may include an honours programme. If the honours programme as referred to in Article 3.9 is successfully completed, a separate certificate indicating this will be issued in addition to the one referred to in Article 6.3. The certificate is based on the model adopted by UM's the Executive Board.
2. To obtain this certificate, students must pass the honours programme components in addition to meeting the requirements for the final examination of the regular bachelor's programme.

Article 6.5 Right of appeal

Students may lodge an appeal against a decision by the examiner and/or the Board of Examiners to the UM Complaint Service Point within six weeks after the decision by the examiner and/or the Board of Examiners is announced. The appeal must be signed, must include a date and the name and address of the party lodging the appeal, must indicate the grounds for the appeal and, if possible, must include a copy of the decision being appealed.

Section 7 Study advice and guidance

Article 7.1 Academic progress administration

The Faculty registers the students' individual course results and makes these available via the Student Portal.

Article 7.2 Study guidance

1. The faculty will provide for the introduction and study guidance for students registered for the programme, which also includes orientating them regarding possible study paths in and outside the study programme.
2. The study guidance includes:
 - a. an introduction during the first week of the first semester of the first academic year;
 - b. assignment of a mentor for the entire bachelor's programme;
 - c. group and individual advice on possible study paths in and outside the programme, partly with a view to opportunities for immediately entering the labour market after obtaining the bachelor's diploma;

- d. group and individual advice on study skills, study planning and choices of continuing study paths;
- e. offering referrals and help if the student experiences problems during the study.

Article 7.3 Non-binding study advice in the first year

1. All students will be issued a non-binding study advice by or on behalf of the Faculty Board regarding the continuation of their studies at the end of their first year of registration in the programme.
2. Notwithstanding the provisions of paragraph 1, the Faculty Board may issue a student a non-binding study advice as long as the student has not passed the exams associated with the courses of study in the first academic year.

Article 7.4 Studying with a disability and/or chronic disease

1. Upon request, students with a disability and/or chronic illness are offered the opportunity to take exams and assessments or teaching and learning activities in a manner adapted as optimal as possible to their disability and/or chronic illness. These adjustments shall be reasonably tailored to the student's disability and/or chronic illness but may not alter the quality or difficulty of an educational component or assessment programme. All intended learning outcomes must be covered by the adapted (assessment) provision. Based on the advice of Disability Support (DS) and any additional information, if requested, the Board of Examiners decides on adaptations in assessment. If the Board of Examiners deviates from the advice of DS, this deviation is motivated.

Section 8 Transitional and final clauses

Article 8.1 Amendments

1. Amendments to these regulations may be adopted in a separate decision by the Faculty Board, after a recommendation/ consent from the Education Programme Committee and after consent from or consultation with the Faculty Council.
2. Any amendments to these regulations will be applied in the current year unless the student will reasonably be harmed as a result.
3. In addition, amendments may not affect, to the students' detriment, any other decision regarding a student that has been taken by the Board of Examiners pursuant to these regulations.

Article 8.2 Notice

The Faculty Board will ensure proper notice of these regulations, the Rules and Regulations adopted by the Board of Examiners, and any amendments to these documents. As a minimum, the notice will include the full text on a website that is accessible to all registered students.

Article 8.3 Evaluation

The Faculty Board will ensure that the education of the programme is regularly evaluated, assessing at least – for the purpose of monitoring and if necessary adapting the student workload – the amount of time students need to complete their duties as set out therein.

Article 8.4 Unforeseen cases/Safety net scheme

1. In situations that are not provided for or clearly provided for in these regulations, a decision will be taken by or on behalf of the Faculty Board, following consultation with the Board of Examiners.
2. The Board of Examiners may deviate from the adopted regulations in the student's favour in individual cases in which application of the Education and Examination Regulations, excepting the study advice rules, would lead to a manifestly unreasonable outcome.

Article 8.5 Coming into force

These regulations will come into force on 1 September 2024 and will apply to the academic year 2024-2025.

Appendix 1 Language requirement for non-Dutch diplomas; exemption

Holders of one of the following diplomas will be exempted from the language proficiency test (English) referred to in Article 2.5, paragraph a:

- a diploma issued in an EU/EEA country which is at least equivalent to a diploma of pre-university education;
- a diploma issued in a non-EU/EEA country which is at least equivalent to a diploma of pre-university education and in which country English is the official language of communication and instruction (UK, Australia, Canada, New Zealand or United States).

Appendix 2 Language of instruction

The choice for the language of instruction of the programme is in line with the Executive Board Code of conduct 'voertaal' adopted on 06/03/2018 in accordance with the Dutch Higher Education and Research Act (WHW) art. 7.2.

Because of the specific educational nature and profile of the bachelor programme in Regenerative Medicine and Technology, teaching and examinations are conducted in English. This guarantees the quality of education, because:

- The content of the programme has an international orientation and focus. Literature and study books are in English, there is no relevant literature only in Dutch. Moreover, international exchange of students in a minor or during the bachelor thesis work, will be facilitated by English proficiency.
- The academic community is internationally oriented and the staff is international. A considerable part of the teaching staff is non-Dutch.
- The labour market demand is internationally oriented (English speaking) alumni. Many students proceed with a master which is very often taught in English. After finishing a master, a large part of the graduates gets a PhD-position. English is the *lingua franca* of science and many of the research groups host international researchers making English the language of daily communication as well. That part of graduates that is not employed as a PhD, finds jobs at various biomedically oriented companies. These companies often host foreign employees, resulting in English as a common language. Working in an international context not only requires language proficiency, but also necessitates a feeling of cultural differences. An English-taught programme allows the intake of a culturally diverse student population, and creates a natural setting to develop intercultural awareness and to train the kind of skills needed to cope with diversity.

Appendix 3 Major and minor components

Compulsory components of the major

Course year 1 (total of 60 credits):

Courses (41 ECTS)

The Molecular Basis of Life (RMT1001)	8 ECTS
Foundations of Engineering (RMT1002)	8 ECTS
Regenerative Medicine in Society (RMT1003)	4 ECTS
Principles of Medicine (RMT1004)	8 ECTS
Coding and Data Crunching (RMT1005)	9 ECTS
The Intrinsic Regenerative Capacity of the Human Body (RMT1006)	4 ECTS

Longitudinal lines (19 ECTS)

Academic development line (RMT1101)	8 ECTS
Lab skills line year 1 (RMT1102)	5 ECTS
Attendance lab skills line year 1 (RMT1112)	2 ECTS
Orientation Design Project (RMT1103)	4 ECTS

Course year 2 (total of 60 credits):

Courses (38 ECTS)

Cells: From Lab to Production (RMT2001)	5 ECTS
Materials Science in Biological Applications (RMT2002)	8 ECTS
Technological Trends in Regenerative Medicine (RMT2003)	4 ECTS
Data Analysis & Modeling of Biosystems (RMT2004)	9 ECTS
Advanced Technologies for Regeneration (RMT2005)	8 ECTS
From Research to Market Value (RMT2006)	4 ECTS

Longitudinal lines (22 ECTS)

Academic development line (RMT2101)	8 ECTS
Lab skills line year 2 (RMT2102)	5 ECTS
Attendance lab skills line year 2 (RMT2112)	2 ECTS
<i>One track of the Design Project</i>	
Design Project: Clinical Track (RMT2103)	7 ECTS
Design Project: Technological Track (RMT2104)	7 ECTS

Course year 3 (total of 30 credits):

Thesis	30 ECTS
Internship	
Presentation/Defence	

Minor (30 ECTS)

Within the framework of the third year of the programme, the student may choose a minor offered by the programme:

a) Period 1:	
Foundation	12 ECTS
b) Period 2:	
Application	12 ECTS
c) Period 3:	
Translation	6 ECTS

Students can also choose other components amounting to 30 credits provided by another programme, another UM faculty, another Dutch university or a foreign university as a minor, subject to the Board of Examiners' approval.