# Teaching and Examination Regulations

## Master's programme in Biomedical Sciences
## Faculty of Science

### Academic year 2022-2023

A. Faculty section
B1. Programme specific section - general provisions
B2. Programme specific section - content of programme

# Index

**Section A: Faculty section ..... 4**
**1. General provisions ..... 4**
Article 1.1 Applicability of the Regulations ..... 4
Article 1.2 Definitions ..... 4
**2. Study programme structure ..... 6**
Article 2.1 Structure of academic year and units of education ..... 6
**3. Assessment and examination ..... 6**
Article 3.1 Signing up for education and interim examinations ..... 6
Article 3.2 Type of examination ..... 6
Article 3.3 Oral interim examinations ..... 6
Article 3.4 Determining and announcing results ..... 6
Article 3.5 Examination opportunities ..... 7
Article 3.6 Marks ..... 7
Article 3.7 Exemption ..... 8
Article 3.8 Validity period for results ..... 8
Article 3.9 Right of inspection and post-examination discussion ..... 8
**4. Academic student counselling and study progress ..... 9**
Article 4.1 Administration of study progress and academic student counselling ..... 9
Article 4.2 Facilities for students with a disability ..... 9
**5. Hardship clause ..... 10**
Article 5.1 Hardship clause ..... 10
**Section B1: Programme specific – general provisions ..... 11**
**6. General programme information and characteristics ..... 11**
Article 6.1 Study programme information ..... 11
Article 6.2 Teaching formats used and modes of assessment ..... 11
Article 6.3 Academic student counselling ..... 11
**7. Further admission requirements ..... 11**
Article 7.1 Intake date(s) ..... 11
Article 7.2 Admission requirements ..... 12
Article 7.3 Selection criteria ..... 13
Article 7.4 Pre-Master's programme ..... 13
**8. Interim examinations and results ..... 14**
Article 8.1 Sequence of interim examinations ..... 14
Article 8.2 Validity period for results ..... 14
**Section B2: Programme specific – content of programme ..... 15**
**9. Programme objectives, tracks/specializations, exit qualifications and language ..... 15**
Article 9.1 Workload ..... 15
Article 9.2 Tracks and/or specializations ..... 15
Article 9.3 Programme objective ..... 15
Article 9.4 Exit qualifications ..... 15
Article 9.5 Language of instruction ..... 18
**10. Curriculum structure ..... 18**
Article 10.1 Composition of the programme ..... 18
Article 10.2 Compulsory units of education ..... 18
Article 10.3 Elective units of education ..... 21
Article 10.4 Practical exercise ..... 22
Article 10.5 Participation in practical training and tutorials ..... 22

**11. Evaluation and transitional provisions ..... 23**
Article 11.1 Evaluation of the education ..... 23
Article 11.2 Transitional provisions ..... 23
**Appendix I Overview of articles that must be included in the OER ..... 25**
**Appendix II Overview of advisory and approval rights of Programme Committees (OLC) and Faculty Joint Assembly (FGV) ..... 26**
**Appendix II (English) Overview of advisory and approval rights of Programme Committees (OLC) and Faculty Joint Assembly (FGV) ..... 27**
**Appendix III Ordinances VU CvB and Binding Guidelines (richtlijn) ..... 28**
**Appendix IV Article 2.1 of the Higher Education and Research (Implementation) Act (Uitvoeringsbesluit) ..... 29**
**Appendix IV (English) Article 2.1 of the Higher Education and Research (Implementation) Act ..... 30**
**Appendix V Addendum Teaching and Examination Regulations Master's degree programme in Biomedical Sciences 2022-2023 ..... 31**
Applicability ..... 31
Teaching and Examination Regulations for Master's students, Section B1: Programme-specific section ..... 31

# Section A: Faculty section

## 1. General provisions

### Article 1.1 Applicability of the Regulations

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|---|---|
| 1. These Regulations apply to anyone enrolled in the programme, irrespective of the academic year in which the student was first enrolled in the programme. This applies to both the faculty section (part A), and the programme-specific section (part B) of these Teaching and Examination Regulations. | Advice OLC, approval FGV (9.38 sub b) |
| 2. These Regulations enter into force on 1 September 2022. | Advice OLC, approval FGV (9.38 sub b) |
| 3. An amendment to the Teaching and Examination Regulations is only permitted to concern an academic year already in progress if this does not demonstrably damage the interests of students. | Advice OLC, approval FGV (9.38 sub b) |

### Article 1.2 Definitions

The following definitions are used in these Regulations (*in alphabetical order*) :

| | | |
|---|---|---|
| a. | academic year: | the period beginning on 1 September and ending on 31 August of the following calendar year; |
| b. | CvB: | the Executive Board of Vrije Universiteit Amsterdam; |
| c. | double degree programme: | joint programme in the context of cooperation between Vrije Universiteit Amsterdam and an educational institution within or outside the Netherlands, as to gain a double university degree; of the VU and the educational institution concerned; though not being the same as a 'joint degree programme' according to the art. 7.3c WHW; |
| d. | EC (European Credit): | A course credit with a workload of 28 hours of study; |
| e. | examination: | the final examination of the bachelor's programme (in accordance with the WHW: the entirety of all interim examinations within the programme); |
| f. | exemption: | exemption from an examination/practical/fieldwork based on an earlier successfully completed examination, or knowledge/skills of a similar content, level and scope gained outside higher education; |
| g. | FGV: | Faculty joint assembly – assembly of the faculty student council and faculty staff council; |
| h. | interim examination: | an assessment of the student's knowledge, understanding and skills relating to an educational component. The assessment is expressed in terms of a final mark. An interim examination may consist of one or more partial examinations. A resit of an interim examination covers the same material as the original interim examination; |
| i. | joint degree: | a degree awarded by an institution together with one or more institutions in the Netherlands or abroad, after the student has completed a study programme (a degree programme, a major or a specific curriculum within a degree programme) for which the collaborating institutions are jointly responsible; |
| j. | OLC: | programme committee; |
| k. | period: | a part of a semester; |

| | | |
|---|---|---|
| l. | practical exercise: | the participation in a practical training or other educational learning activity, aimed at acquiring certain (academic) skills. Examples of practical exercises are:<br>• researching and writing a thesis or dissertation<br>• carrying out a research assignment<br>• taking part in fieldwork or an excursion<br>• taking part in another educational learning activity aimed at acquiring specific skills, or<br>• participating in and completing a work placement; |
| m. | pre-Master's enrolee: | person enrolled in a pre-Master's programme, who is not a student from a legal perspective; |
| n. | programme: | the totality and cohesion of the units of education, teaching activities/methods, contact hours, testing and examination methods and recommended literature; |
| o. | SAP/SLM: | the student information system (*Student Lifecycle Management*); |
| p. | semester: | the first (September - January) or second half (February - August) of an academic year; |
| q. | specialization: | optional route of study within a degree programme indicating a deepening of the (inter/multi) disciplinary context of the programme; |
| r. | student statute: | sets out the rights and responsibilities of students on the one hand, and of Vrije Universiteit Amsterdam on the other hand, including those derived from the law and those derived from university regulations. The Executive Board (CvB) officially confirms the student statute once its completeness has been approved by the University Student Council (USC); |
| s. | study guide: | the guide for the study programme that provides further details of the courses, provisions and other information specific to that programme. The Study Guide is available electronically at: https://www.vu.nl/en/study-guide/; |
| t. | study monitor: (*studiemonitor*): | dashboard for students and academic advisors with data of the student and that provides insight into the student's study progress; |
| u. | subject: | see *'unit of education'*; |
| v. | substituting course/unit of education: | see under c (double degree programme). A course obtained at the educational institute, within the context of cooperation, that is mentioned in the diploma supplement as such; not being an 'exemption'; |
| w. | track: | a study pathway within a broader Bachelor's or Master's degree programme, such as a fully English-language study pathway within a Dutch-language Bachelor's or Master's programme; |
| x. | thesis/internship work placement: | scientific research, always resulting in a written report; |
| y. | unit of education: | a unit of study of the programme within the meaning of the WHW; |
| z. | university: | Vrije Universiteit Amsterdam; |
| aa. | WHW: | the Dutch Higher Education and Research Act (*Wet op het Hoger Onderwijs en Wetenschappelijk Onderzoek*); |
| bb. | workload: | the workload of the unit of study to which an interim examination applies, expressed in terms of credits = EC (ECTS = European Credit and Transfer Accumulation System). The workload for 1 year (1,680 hours) is 60 EC. |

The other terms have the meanings ascribed to them by the WHW.

## 2. Study programme structure

### Article 2.1 Structure of academic year and units of education

| | |
|---|---|
| 1. The study programme will be offered in a year divided into two semesters. | Ordinance CvB, see Appendix III |
| 2. Every semester consists of three consecutive periods. The first two periods each consist of eight weeks, and the final period consists of four weeks. | Ordinance CvB, see Appendix III |
| 3. A unit of education comprises 6 EC or a multiple thereof. | Ordinance CvB, see Appendix III |
| 4. By way of exception to paragraph 3, the Executive Board may in special cases and on request of the Faculty Board, stipulate that a unit of study comprises 3 EC or a multiple thereof. | Ordinance CvB, see Appendix III |

## 3. Assessment and examination

### Article 3.1 Signing up for education and interim examinations

| | |
|---|---|
| 1. Every student must sign up to participate in the units of education of the programme, the interim examinations and resits. The procedure for signing up is described in an annex to the Student Charter. | Ordinance CvB, see Appendix III |
| 2. Signing up may only take place in the designated periods. | Ordinance CvB, see Appendix III |

### Article 3.2 Type of examination

| | |
|---|---|
| 1. At the examiner's request, the Examination Board may permit a different form of interim examination than is stipulated in the study guide. | Advice OLC, Approval FGV (7.13 l) |

### Article 3.3 Oral interim examinations

| | |
|---|---|
| 1. An oral assessment is public unless the Examination Board determines otherwise. | Advice OLC; approval FGV (7.13 l and n) |

### Article 3.4 Determining and announcing results

| | |
|---|---|
| 1. The examiner determines the result of a written interim examination within fifteen working days. By way of departure from that stipulated in the first clause, the marking deadline for theses and final assignments is no longer than twenty working days. The examiner will then immediately ensure that the marks are registered and also ensures that the student is immediately notified of the mark, taking due account of the applicable confidentiality standards. | Ordinance CvB, see Appendix III |
| 2. a. The examiner determines the result (i.e. mark) of an oral examination as soon as possible, but at the latest within one working day after the examination has finished and informs the student accordingly. The third clause of the first paragraph applies.<br>b. The examiner determines the result of a(n) (partial) interim examination at least five working days prior to the next (partial) interim examination opportunity, with the exception of weekly assignments. | Advice OLC; approval FGV (7.13 o) |
| 3. In the case of assessments other than oral or written examinations, the Examination Board determines in advance how and by what deadline the student will be informed of the results. | Advice OLC; approval FGV (7.13 o) |

## Article 3.5 Examination opportunities

| | |
|---|---|
| 1. a. Per academic year, two opportunities to take examinations will be offered for each unit of education.<br>b. By way of exception to a., the options for retaking practical exercises, work placements and theses are detailed in the relevant work placement manual, teaching regulations or graduation regulations. | Ordinance CvB, see Appendix III |
| 2. The most recent mark will apply in the event of a resit. A resit is allowed for both passed and failed units of study. | Ordinance CvB, see Appendix III |
| 3. The resit for a (partial) interim examination must not take place within ten working days of the announcement of the result of the (partial) examination being resat. | Advice OLC; approval FGV (7.13 j) |
| 4. The Examination Board may allow a student an extra opportunity to sit an interim examination if that student:<br>a) lacks only those credits to qualify for their degree; and<br>b) has failed the interim examination during all the previously offered attempts unless participation in an interim examination was not possible for compelling reasons.<br>The extra opportunity can only be offered if it concerns a written examination, a paper or a take home examination. This provision excludes the practical exercises and the Master's thesis. Requests for an additional examination opportunity must be submitted to the Examination Board no later than 15 July. If necessary, the method of examination may deviate from the provisions in the study guide. | Ordinance CvB, see Appendix III |
| 5. If a unit of education is no longer offered in the following academic year and disappears from the curriculum, one opportunity will be provided to sit the interim examination(s) or parts thereof in the following academic year at the latest and a transitional arrangement for the subsequent period will be included in the programme-specific section of the Teaching and Examination Regulations (part B). | Advice OLC, approval FGV (7.13 j) |

## Article 3.6 Marks

| | |
|---|---|
| 1. Partial marks are given on a scale from 1 to 10 with no more than one figure after the decimal point. | Ordinance CvB, see Appendix III |
| 2. A final mark between 5 and 6 will be rounded to the nearest whole number: final marks below 5.50 will be rounded down; final marks of 5.50 or higher will be rounded up. All other final marks will be expressed in whole or half marks.<br><br>In case the examination of a component consists of two or more parts, each of which are graded separately, the (weighted) mean of these marks (meaning: the final mark) must be rounded off using the following table: | Ordinance CvB, see Appendix III |

| From | To | Grade |
|---|---|---|
| 1.00 | 1.24 | 1.0 |
| 1.25 | 1.74 | 1.5 |
| 1.75 | 2.24 | 2.0 |
| 2.25 | 2.74 | 2.5 |
| 2.75 | 3.24 | 3.0 |
| 3.25 | 3.74 | 3.5 |
| 3.75 | 4.24 | 4.0 |
| 4.25 | 4.74 | 4.5 |
| 4.75 | 5.49 | 5.0 |
| 5.50 | 6.24 | 6.0 |
| 6.25 | 6.74 | 6.5 |
| 6.75 | 7.24 | 7.0 |
| 7.25 | 7.74 | 7.5 |

| | | |
|---|---|---|
| 7.75 | 8.24 | 8.0 |
| 8.25 | 8.74 | 8.5 |
| 8.75 | 9.24 | 9.0 |
| 9.25 | 9.74 | 9.5 |
| 9.75 | 10.0 | 10 |

| | |
|---|---|
| 3. To pass a given course or unit, a final mark of 6 or higher is required. | Ordinance CvB, see Appendix III |
| 4. The Examination Board can allow the use of symbols rather than numbers, for example; v(oldaan), g(oed), n(iet)v(ol)d(aan), etc. In case a student does not take part in any (interim) examination, the examiner will register the mark 'ns' (c.q. no show). | Ordinance CvB, see Appendix III |

## Article 3.7 Exemption

| | |
|---|---|
| 1. At the written request of the student, the Examination Board may exempt the student from taking one or more examination components, if they:<br>a) have either passed a unit of education of a university or higher professional education programme that is equivalent in terms of content and level;<br>b) or have demonstrated through their work and/or professional experience that they have sufficient knowledge and skills with regard to the relevant unit of education. | Advice OLC; approval FGV (7.13 r) |
| 2. The Master's thesis is excluded from this exemption possibility. | Advice OLC; approval FGV (9.38 sub b) |
| 3. a. A maximum of 18 EC for a one-year master programme and 36 EC for a two-year master programme can be accumulated through granted exemption. The substituting courses (courses obtained at another educational institute within the context of a double degree, see art. 1.2) are not included.<br>b. This regulation does not apply if a student is (simultaneously) enrolled in multiple programmes, which lead to multiple degrees, where courses may be part of both programmes. In such a case, the examination board may deviate from the regulations under a. | Advice OLC; approval FGV (9.38 sub b) |

## Article 3.8 Validity period for results

| | |
|---|---|
| 1. The validity period of interim examinations passed and exemption from interim examinations is unlimited, unless otherwise specified in Section B. | Legal provision |
| 2. The validity period of a partial examination is limited to the academic year in which it was sat or until the end of the unit of study concerned, as stipulated for the relevant unit of study in Section B. | Advice OLC; approval FGV (9.38 sub b) |

## Article 3.9 Right of inspection and post-examination discussion

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|---|---|
| 1. Within twenty working days after the announcement of the results of a written interim examination, but at least ten working days before the resit opportunity for that interim examination, the student can submit a request to inspect their assessed work, the questions and assignments set in it, as well as the standards applied for marking.<br>The place and time referred to in the previous clause will be announced on VU.nl Dashboard or Canvas in all cases. | Advice OLC; approval FGV (7.13 p and q) |

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|---|---|
| 2. If a collective post-examination discussion has been organized, individual post-examination discussions will be held only if the student has attended the collective discussion or if the student was unable to attend the collective discussion through no fault of their own. | Advice OLC; approval FGV (7.13 q) |
| 3. Students who meet the requirements stipulated in paragraph 2 can submit a request for an individual post-examination discussion to the relevant examiner. The discussion shall take place at a time and location to be determined by the examiner within the regular timetable, on campus or online. | Advice OLC; approval FGV (7.13 p and q) |

## 4. Academic student counselling and study progress

### Article 4.1 Administration of study progress and academic student counselling

| | |
|---|---|
| 1. The faculty board is responsible for the correct registration of the students' study results. After the assessment of a unit of education has been registered, every student has the right to inspect the result for that component and also has a list of the results achieved at their disposal in VU.nl Dashboard. | Advice OLC; approval FGV (7.13 u) |
| 2. Enrolled students are eligible for academic student counselling. Academic student counselling is in any case provided by<br>a. The Student General Counselling Service<br>b. Student psychologists<br>c. Faculty academic advisers | Advice OLC; approval FGV (7.13 u) |

### Article 4.2 Facilities for students with a disability

| | |
|---|---|
| 1. A student with a disability can submit a request via VU.nl Dashboard to qualify for one or more special facilities with regard to teaching, practical exercises and interim examinations. These facilities will accommodate the student's individual disability as much as possible, but may not alter the quality or degree of difficulty of a unit of study or an examination. In all cases, the student must fulfil the exit qualifications for the study programme. | Advice OLC; approval FGV (7.13 m) |
| 2. The request referred to in the first paragraph must be accompanied by a statement from a doctor or psychologist. If possible, an estimate should be given of the potential impact on the student's study progress. In case of a chronic disability a single (one time) request suffices. | Advice OLC; approval FGV (7.13 m) |
| 3. Students who have been diagnosed with dyslexia must provide a statement from a BIG-, NIP- or NVO-registered professional who is qualified to conduct a psychological evaluation. | Advice OLC; approval FGV (7.13 m) |
| 4. The faculty board, or the responsible person on behalf of the faculty board, decides on teaching facilities and facilities regarding logistics. The Examination Board will decide on requests for facilities with regard to examinations. | Advice OLC; approval FGV (7.13 m) |
| 5. In the event of a positive decision in response to a request as referred to in paragraph 1, the student can make an appointment with the academic adviser to discuss the details of the provisions. | Advice OLC; approval FGV (7.13 m) |
| 6. A request for one or more facilities can be refused if it would place a disproportionate burden on the organization or the resources of the faculty or university were it upheld. Any such refusal will be substantiated. | Advice OLC; approval FGV (7.13 m) |
| 7. If the disability justifies an extension of the interim examination time, the responsible person on behalf of the Examination Board will register in SAP this entitlement to an extension. If a disability justifies other measures to be taken, the Examination Board | Advice OLC; approval FGV (7.13 m) |

| | | |
|---|---|---|
| | will advise the Faculty Board on the necessary measures to be taken. The student can consult the study monitor to check which facilities have been granted to them. | |
| 8. | The decision as referred to in paragraph 4 is valid for a maximum period of one year with the exception for chronic diseases and disabilities. | Advice OLC; approval FGV (7.13 m) |

## 5. Hardship clause

### Article 5.1 Hardship clause

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|---|---|
| In instances not regulated by the Teaching and Examination Regulations or in the event of demonstrable extreme unreasonableness or unfairness, the faculty board responsible for the study programme will decide, unless the matter concerned is the responsibility of the Examination Board. | Advice OLC; approval FGV (9.38 sub b) |

# Section B1: Programme specific – general provisions

## 6. General programme information and characteristics

### Article 6.1 Study programme information

| | | |
|---|---|---|
| 1. | The programme M Biomedical Sciences CROHO number 66990 is offered on a full-time basis. | Advice OLC; approval FGV (7.13 i) |

### Article 6.1a Deviant size of units of education

By way of derogation from art. 2.1.3, the units listed below have a deviant size:

| Course code | Name course | EC |
|---|---|---|
| AM_1258 | Study and Career year 1 M BMED | 0 |
| O_MLPROZ_1(F) | Praktijk onderzoek 1 (Feb) | 3 |
| AM_1270 | Study and Career year 2 M BMED | 3 |
| AM_470707 | Ethics in Life Sciences | 3 |
| AM_1180 | Clinical Development and Clinical Trials | 3 |
| AM_1021 | The Human Microbiome in Health & Disease | 3 |
| AM_1161B | Scientific Writing in Engl (AM_BMED) | 3 |
| O_MLPRAK_3(F) | Praktijk 3 (Feb) | 15 |
| O_MLDIDAC_3(F) | Didactiek 3 (Feb) | 9 |
| O_MLPRAK_2(F) | Praktijk 2 (Feb) | 9 |
| AM_471135 | Literature Thesis Biomed. Sc. (Research) | 9 |

Approval OLC (art. 7.13 sub e), approval CvB

### Article 6.2 Teaching formats used and modes of assessment

| | | |
|---|---|---|
| 1. | The programme uses the teaching formats as specified in the study guide. | Advice OLC; approval FGV (7.13 x) |
| 2. | The modes of assessment used per unit of education are specified in the study guide. | Advice OLC; approval FGV (7.13 l) |

### Article 6.3 Academic student counselling

| | | |
|---|---|---|
| 1. | The programme offers the following counselling in addition to the student counselling mentioned in Section A:<br>- Master's coordinator: study planning;<br>- Tutor(s). | Advice OLC; approval FGV (7.13 u) |

## 7. Further admission requirements

### Article 7.1 Intake date(s)

| | | |
|---|---|---|
| 1. | The programme starts on 1 September. | Advice OLC; approval FGV (9.38 sub b) |

## Article 7.2 Admission requirements

| | |
|---|---|
| 1. Admission to the Master's programme is possible for an applicant who has a Bachelor's degree obtained at an institution of academic higher education, which demonstrates the following knowledge, understanding and skills:<br>a. Knowledge and understanding:<br>Minimum of 24 EC in molecular biology and a minimum of 24 EC in human biology, including at least one dedicated course in:<br>• Cell biology;<br>• Biochemistry;<br>• Genetics;<br>• Immunology;<br>• Microbiology;<br>• Statistics.<br>b. skills:<br>• Practical laboratory techniques gained in courses;<br>• A bachelor research internship/thesis of ≥12 EC, working on an individual biomedical research question. The internship should have been performed at a research laboratory within a university, academic medical center or acknowledged research institute. | Advice OLC, approval by FGV (9.38 sub b) |
| 2.<br>a. Applicants who wish to follow the specialization Neurobiology must, in addition to the provisions in paragraph 1, also meet the following requirements with regard to: knowledge and understanding (at least one dedicated course in neurobiology/neuroscience) in Neuroscience .<br>b. Applicants who wish to follow the second year specialization International Public Health must, in addition to the provisions in paragraph 1, also meet the following requirements with regard to: knowledge and understanding in Epidemiology.<br>c. Applicants who wish to follow the second year specialization Education must, in addition to the provisions in paragraph 1, also meet the following requirements with regard to:<br>i. Knowledge and understanding: at least 30 EC in biological courses, including at least courses in Evolution, Ecology, Biodiversity and Plant physiology.<br>ii. Skills: Field work | Advice OLC, approval by FGV (9.38 sub b) |
| 3. Applicants with a bachelor's degree obtained at an institution outside the Netherlands may be asked for additional methods to prove that they meet the admission requirements. | Advice OLC; approval FGV (9.38 sub b) |
| 4. Not applicable | |
| 5. Applicants should demonstrate that they have a sufficient level of proficiency in English by meeting at least one of the following standards, no more than two (2) years before the start of the programme at VU Amsterdam:<br>- (academic) IELTS: minimum 6.5<br>- TOEFL paper based test: minimum 580<br>- TOEFL internet based test: minimum 92 | Advice OLC; approval FGV (9.38 sub b) |

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|---|---|
| 6. Applicants who:<br>- completed an English-taught secondary or higher education degree in Canada, the United States, the United Kingdom, Ireland, New Zealand or Australia; or<br>- have earned a Bachelor's or Master's degree in an English-taught programme accredited by NVAO in the Netherlands; or<br>- have earned a Bachelor's or Master's degree in an accredited English-taught programme in another member state of the European Union; or<br>- have obtained a Cambridge Certificate of Proficiency in English (CPE) or a Cambridge Certificate of Advanced English (CAE) with at least a score of C1 advanced/C2 proficiency; or<br>- have earned a Dutch VWO diploma<br>are exempted from the requirements referred to in paragraph 5. | Advice OLC; approval FGV (9.38 sub b) |
| 7. The Admission Board will investigate whether the applicant meets the admission requirements. | Advice OLC; approval FGV (9.38 sub b) |

## Article 7.3 Selection criteria

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|---|---|
| 1. In addition to the admission requirements referred to in Article 7.2, the Faculty board also sets the following selection criteria:<br>a. A high level of relevant knowledge and skills demonstrated by:<br>- an average mark of at least 7.0 for relevant courses of the Bachelor's degree programme, excluding internships/projects.<br>b. Motivation for the programme, demonstrated by a letter including motivation for the (possible) specialisations, knowledge curriculum and clear ideas about future career/added value of the master.<br>c. A high general academic level demonstrated by:<br>- Academic skills and critical thinking, demonstrated during the assessment of a scientific article | Advice OLC, approval FGV (9.38 sub b) |
| 2. The capacity of the specialization Neurobiology is confirmed at a maximum of 10 (2022-2023) or 25 (2023-2024) students per academic year.<br>Placement will occur according to the following regulations:<br>a. Admission based on Articles 7.2 and 7.3<br>b. On the basis of a., a priority number will be assigned by the Admission Committee for the Master's programme, with the lowest number giving first right of placement | Advice OLC, approval FGV (9.38 sub b) |

## Article 7.4 Pre-Master's programme

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|---|---|
| 1. Applicants with a Bachelor's degree from a university of applied sciences (HBO) or a Bachelor's degree from a research university (WO) who wish to enter the programme but do not fulfill the admission requirements as stipulated in Article 7.2.1.a can request admission to the pre-Master's programme. | Advice OLC; approval FGV (9.38 sub b) |
| 3. Candidates must, in addition to paragraph 1 above, also satisfy the following requirements regarding:<br>a. Skills as stipulated in Article 7.2.1.b.; and<br>b. the selection criteria as stipulated in Article 7.3 | Advice OLC; approval FGV (9.38 sub b) |
| 4. A candidate must demonstrate that they meet the language requirements, as | |

| | |
|---|---|
| specified in Article 7.2. | |
| 5. The pre-Master's programme has never more than 30 credits and consists of the following units:<br>a. Is determined for each student individually .<br>The following terms also apply:<br>a. If the pre-Master's enrolee is completing an individualized pre-Master's programme, this is to be communicated to the enrolee in writing.<br>b. The Examination Board can, if the pre-Master's enrolee submits a written request, exempt the enrolee from one or more examinations. | Advice OLC; approval FGV (9.38) |
| 6. Evidence that the pre-Master's programme has been completed successfully and the candidate achieves an average mark of 7.0 or higher in the pre-masters' programme will entitle the enrolee to admission to the relevant Master's programme in the following academic year. | Advice OLC; approval FGV (9.38) |
| 7. The pre-Master's programme needs to be completed within one academic year. | Advice OLC; approval FGV (9.38) |

## 8. Interim examinations and results

### Article 8.1 Sequence of interim examinations

| | |
|---|---|
| 1. Students may participate in interim examinations and practical exercises of the components below only if they have passed the interim examination or examinations for the components mentioned hereinafter:<br>- The compulsory internship of each specialization (as listed in part B2) only if they attended the compulsory course(s) of the specialization and have acquired 12 EC of the specialization specific courses;<br>- The second internship after passing the first internship;<br>- The second year specializations Science in Society or Science Communication only if the student passed 24EC of their first year. | Advice OLC; approval FGV (7.13 h, s & t) |

### Article 8.2 Validity period for results

| | |
|---|---|
| 1. The validity period of the interim examinations and exemptions from interim examinations below, is limited as follows:<br>a. The validity period of partial examinations (full exam, practicals, work groups and corresponding assignments) is limited to two academic years, if content is unchanged during that period. Final verdict by course coordinator. | Advice OLC; approval FGV (7.13 k) |
| 2. A student may request the Examination Board to extend the validity of an exam. If the student's knowledge is demonstrably outdated, or if the student's skills and insights are demonstrably outdated, the Examination Board may impose a supplementary examination, impose a replacement examination or refuse to extend the period of validity. | Legal provision |
| 3. In situations where a limited period of validity applies, the period of validity of examinations may be extended in the event of extenuating circumstances as stipulated in WHW Article 7.51, paragraph 2, with at least the period of allocated financial assistance specified in WHW Article 7.15, paragraph 1. | Legal provision |

# Section B2: Programme specific – content of programme

## 9. Programme objectives, tracks/specializations, exit qualifications and language

### Article 9.1 Workload

| | |
|---|---|
| 1. The programme has a workload of 120 EC | Advice OLC; (7.13 a) |

### Article 9.2 Tracks and/or specializations

| | |
|---|---|
| The programme has the following tracks and/or specializations:<br>- Immunology<br>- Infectious Diseases<br>- Neurobiology<br>- International Public Health<br>- Science Communication specialization<br>- Specialization Science in Society<br>- Education specialization | Approval OLC; (7.13 a) |

### Article 9.3 Programme objective

| | |
|---|---|
| The programme aims at: equipping the student with the knowledge, skills and understanding required to operate as an independent professional within the disciplines covered by the Master's programme, and to be a suitable candidate for a subsequent career in biomedical research. The Master's graduate should be competitive in his or her field at both the national and the international levels, in relation to both PhD research programmes in national and international scientific institutions or employment in trade and industry or government. Having completed the programme, the student should have developed a critical scientific approach and an awareness of the ethical and societal aspects of the biomedical sciences in general, and the field addressed by the Master's specialization(s) in particular.<br>Graduates are specialized in one or two specific disciplines, with a second year profile focused on research or a profile focused at health and society (I/C/S/E profile). | Advice OLC; (7.13 a) |

### Article 9.4 Exit qualifications

| | |
|---|---|
| 1. At all events, a graduate of the study programme will have:<br>**Dublin descriptor 1: Knowledge and understanding**<br>The graduate should have specialized theoretical and practical knowledge of Biomedical Science notably within the field of his/her specialization.<br>The graduate:<br>• masters the fundamental concepts of modern biomedical sciences and understands the state of the art in terms of developing theories and insight into the most important current research issues in the biomedical discipline in which the student has specialized.<br>• appreciates the place of his/her specialization within the biomedical and the natural sciences.<br>• is able to appreciate the scientific and social relevance of biomedical sciences, and of current research in the area of specialization.<br>• is able to think in multidisciplinary terms, and possesses an understanding of other disciplines (and sub-disciplines) that are of importance to biomedical sciences. | Approval OLC (7.13 c) |

| | |
|---|---|
| • has command of advanced research techniques, laboratory procedures and (statistical) methodology necessary for the specialization. | |
| **Dublin descriptor 2: Application of knowledge**<br>The graduate should be experienced in carrying out research, in applying techniques specific to the subject area and in applying scientific knowledge to problems raised in society. | |
| The graduate:<br>• is able to design experiments in the different fields associated with Biomedical Sciences notably within the field of his/her specialization and analyze their results.<br>• has knowledge about the methodology used within research of the field of his/her discipline and can apply independently these methods in research.<br>• is able to apply his/her scientific knowledge to social questions.<br>• can think multidisciplinary and has insight in the relevant (sub)disciplines that are important to his/ her specialization.<br>• is able to reflect on the ethical aspects of research or its uses, and include these deliberations in the decision-making process.<br>• adopts an attitude towards the correct and unbiased use and presentation of data. | |
| **Dublin descriptor 3: Critical judgment**<br>The graduate should be able to independently and critically judge information. | |
| The graduate:<br>• is able to independently acquire information in the field of his/ her specialization, and to analyze and critically evaluate such information.<br>• is able to select and order information, to distinguish essentials from trivialities, and to recognize connections.<br>• is able to independently and critically analyze research in the field of his/ her specialization, both in relation to its design, planning and execution, and to the results obtained.<br>• has the ability to evaluate his/her own performance, both introspectively and in discussion with others. | |
| **Dublin descriptor 4: Communication**<br>The graduate should be able to transfer knowledge and skills related to his/her subject area to other persons and to adequately reply to questions and problems posed within society. | |
| The graduate:<br>• can report orally on research results in English with support of modern presentation techniques.<br>• can report in written form on research results on the level of peer-reviewed academic journals.<br>• can make essential contributions to scientific discussions about plans, results and consequences of research.<br>• can collaborate with researchers from other disciplines. | |
| **Dublin descriptor 5: Learning skills**<br>The graduate should develop learning skills that enable him/her further self-education and development within the subject area. | |
| The graduate:<br>• is able to understand and summarize scientific literature within the field of his/ her specialization.<br>• is able to draw up a research plan, giving details of experimental design, execution and analysis.<br>• is familiar with general scientific journals such as Nature and Science, and with journals in the area of his/ her specialization.<br>• is familiar with computer software that is relevant to the field.<br>has been able to influence his/her personal learning process by the choice of courses. | |

| | |
|---|---|
| 2. Without prejudice to the provisions of paragraph 1, a graduate of the following track/specializations will have the following knowledge and understanding in the field of specialization:<br>• Immunology:<br>The Master's graduate with a specialization in Immunology has a broad understanding of immunological processes, ranging from the molecular and cellular interactions between host and pathogen to an integrative knowledge of the role of the immune system in various pathologies, such as cancer, infectious diseases and autoimmunity. The Master's graduate has specialized in one of the subjects within the field of immunology. He/she possesses knowledge of current theory and the key research questions in the field of immunology and has an understanding of the scientific and social relevance of this subject area.<br>• Infectious diseases:<br>The Master's graduate with a specialization in Infectious diseases has a broad understanding of the biology of pathogenic organisms and the interaction between pathogens and their hosts. The Master's graduate has the ability to conduct scientific research in the field of medical microbiology and to critically assess the results of microbial research. The Master's graduate has specialized in one of the subjects within the field of medical microbiology. He/she possesses knowledge of current theory and the key research questions in this field and has an understanding of the scientific and social relevance of this subject area.<br>• Neurobiology:<br>The Master's graduate with a specialization in Neurobiology has knowledge, insight and understanding of the state of the art in terms of developing theories and insight into the most important current research issues in the neurosciences. The Master's graduate has the ability to conduct scientific research in the field of neurobiological research and to critically assess the results . The Master's graduate has specialized in one of the subjects within the field of neurobiology. He/she possesses knowledge of the significance of neurobiology within the context of brain research and some of its clinical implications.<br>• International public health:<br>The Master's graduate with a specialization in International public health has a broad understanding of current and future challenges in international public health, their main causes, and applied and potential interventions. The Master's graduate has specialized knowledge of relevant concepts from various disciplines, including epidemiology, policy science, anthropology, management studies, biomedical sciences and health sciences. The Master's graduate has the ability to conduct scientific research in the field of international public health and to critically assess the results of international public health research. The Master's graduate has specialized in one of the subjects within the field of international public health. He/she possesses knowledge of current theory and the key research questions in this field and has an understanding of the scientific and social relevance of this subject area.<br>• Communication specialization:<br>Biomedical science is increasingly becoming an interdisciplinary research field in which biomedical scientists can no longer function effectively in isolation. Rather, they benefit from interaction with other scientists (such as those in the fields of molecular biology, neurobiology and immunobiology) and societal actors (such as doctors, patients and policymakers). Communication about science takes place between academic peers and between scientists and the general public. This makes | Approval OLC (7.13 b) |

| | | |
|---|---|---|
| | the Communication specialization a complex and dynamic field of research and practice, for example on patient participation in health research, the use and effects of media metaphors and hype, and public understanding of emergent technologies. The Master's graduate with this specialization has a theoretical understanding of the complex problems that arise during such communication processes, and has developed the necessary skills to act professionally at this interface to enhance communication and the outcomes of communication between scientific actors and society.<br>• Science in Society:<br>The Master's graduate with a specialization Science in Society combines an academic approach with the skills and competences that will allow him or her to perform scientific research at the interface of the biomedical sciences and society. The specialization aims to develop strategies that contribute to an understanding of complex societal problems and strategies to solve complex societal problems through interdisciplinary research. In addition, the programme analyses the social, economic and ethical aspects of new developments in the biomedical sciences, so as to assess their implications for society. Master's graduates have the necessary skills to collaborate and communicate with researchers from various scientific disciplines (including but not limited to those in the life sciences) and societal actors, and the ability to use these academic insights.<br>• Education specialization:<br>The Master's graduate with a specialization in Education (CROHO number 68502) obtains a certificate that qualifies the graduate to teach Biology in secondary schools (this is a 'grade one' certificate, i.e. it qualifies the graduate to teach pupils who will sit public exams in the subject). | |
| 3. | Language proficiency may be taken into account in the assessment of (interim) examinations. | Approval OLC (7.13 c) |

### Article 9.5 Language of instruction

| | | |
|---|---|---|
| 1. | The language of instruction is English. The language of instruction of the 'Education specialization' is Dutch. | Approval OLC (9.18) |
| 2. | The 'Gedragscode vreemde taal' (Code of conduct foreign languages) applies. | Ordinance CvB, see Appendix III |

## 10. Curriculum structure

### Article 10.1 Composition of the programme

| | | |
|---|---|---|
| 1. | The programme comprises at least a package of compulsory components and an individual Master's thesis and academic internship. | Ordinance CvB, see Appendix III |
| 2. | Additionally the programme can offer:<br>- Specializations, of which students choose at least one and maximum two;<br>- Electives (see Study guide) | Advice OLC; (7.13 a) |
| 3. | Units of education are categorized as specialized (400), research oriented (500) and highly specialized (600) level. | Ordinance CvB, see Appendix III |

### Article 10.2 Compulsory units of education

*A detailed description per unit of education can be found in the Study Guide.*

1. Compulsory units of education separate from specializations.

| Unit of education | course code | no. of EC | level | Advice OLC; (7.13 a) |
|---|---|---|---|---|
| *Year 1* | | | | |
| Integrated Biomedical Sciences | AM_1281 | 6 | 400 | |
| Ethics in Life Sciences | AM_470707 | 3 | 400 | |
| Scientific Writing in English | AM_1161B | 3 | 400 | |
| Study and Career M Biomedical Sciences yr 1 | AM_1258 | 0 | 400 | |
| *Year 2* | | | | |
| Study and Career M Biomedical Sciences yr 2 | AM_1270 | 3 | 400 | |
| Literature thesis Biomedical Sciences* | AM_471135 | 9 | 600 | |

* The literature thesis must be written within the scope of one or both research specialization(s).

2. First year: Research specialization of 48 EC

The prescribed scope of the research specializations is 48 EC, including:

- research internship (30 EC)
- at least 3 courses from the specialization (18 EC)

| **Unit of education** | **Course code** | **Number of EC** | **Level** | |
|---|---|---|---|---|
| **Specialization Immunology** | **AM_BMED_I** | | | |
| Advanced molecular immunology | AM_470656 | 6 | 500 | |
| Clinical immunology | AM_470655 | 6 | 500 | |
| Internship Immunology | AM_471137 | 30 | 600 | |
| | | | | |
| **Specialization Infectious Diseases** | **AM_BMED_ID** | | | |
| Advanced Molecular Immunology | AM_470656 | 6 | 500 | |
| Molecular infection Biology | AM_470657 | 6 | 600 | |
| Internship Infectious Diseases | AM_471138 | 30 | 600 | |
| | | | | |
| **Specialization Neurobiology** | **AM_BMED_NB** | | | |
| From Molecule to Mind | AM_1275 | 6 | 400 | |
| Clinical Neurosciences | AM_1005 | 6 | 400 | |
| Genetics in Neuroscience | AM_1214 | 6 | 400 | |
| Internship Neurobiology | AM_1178 | 30 | 600 | |

3. Second year: specialization of 48-60 EC, either in research or I/C/S/E or research focus programme.

- The prescribed scope of the (I/C/S) International Public Health, Communication and Science in Society specializations is 48 EC, including:
    - Internship (30 EC)
    - At least 3 courses from the specialization (18 EC)
- The prescribed scope of the Education specialization is 60 EC.
- The prescribed scope of the research focus programme is 48EC, including:
    - Internship Biomedical Sciences (AM_471158, 30 EC)
    - A minimum of 18EC consisting of

- courses at Master's level with biomedical focus, not related to the first year research specialization.
- an extension of the internship (3-6 EC)*

* The total EC for both internships together may not exceed 66EC

| **Unit of education** | **Course code** | Number of EC | Level | Advice OLC; (7.13a) |
|---|---|---|---|---|
| **Specialization Immunology** | **AM_BMED_I** | | | |
| Advanced molecular immunology | AM_470656 | 6 | 500 | |
| Clinical immunology | AM_470655 | 6 | 500 | |
| Internship Immunology | AM_471137 | 30 | 600 | |
| | | | | |
| **Specialization Infectious Diseases** | **AM_BMED_ID** | | | |
| Advanced Molecular Immunology | AM_470656 | 6 | 500 | |
| Molecular infection Biology | AM_470657 | 6 | 600 | |
| Internship Infectious Diseases | AM_471138 | 30 | 600 | |
| | | | | |
| **Specialization Neurobiology** | **AM_BMED_NB** | | | |
| **Compulsory courses AM_BMED-S-NB** | | | | |
| From Molecule to Mind | AM_1275 | 6 | 400 | |
| Clinical Neurosciences | AM_1005 | 6 | 400 | |
| Genetics in Neuroscience | AM_1214 | 6 | 400 | |
| Internship Neurobiology | AM_1178 | 30 | 600 | |
| | | | | |
| **Specialization Internat. Public Health** | **AM_BMED-IPH** | | | |
| Containment Strategies | AM_470127 | 6 | 500 | |
| Research Methods for HS | AM_1255 | 6 | 400 | |
| Policy, Management and Organisation in IPH | AM_470819 | 6 | 500 | |
| Internship International Public Health | AM_471139 | 30 | 600 | |
| | | | | |
| **Specialization Science Communication** | **AM_BMED-SC** | | | |
| Research methods for analyzing problems | AM_1182 | 6 | 400 | |
| Science and Communication | AM_470587 | 6 | 500 | |
| *Constrained Choice: Choose one (1) of these courses* | | | | |
| Research Internship Science Comm. | AM_1162 | 30 | 600 | |
| Reflective Practice Int. SC. Comm. | AM_1163 | 30 | 600 | |
| *Constrained Choice: select at least one (1) course* | | | | |
| Science in Dialogue | AM_1002 | 6 | 500 | |
| Communication, Org. and Management | AM_470572 | 6 | 500 | |
| Science Museology | AM_470590 | 6 | 500 | |
| Science Journalism | AM_471014 | 6 | 500 | |
| | | | | |
| **Specialization Science in Society** | **AM_BMED-SIS** | | | |
| Internship Science in Society (BMED) | AM_1133 | 30 | 600 | |
| Research methods for analyzing problems | AM_1182 | 6 | 400 | |

| | | | |
|---|---|---|---|
| Analysis of Governmental Policy | AM_470571 | 6 | 500 |
| Communication, Org. and Management | AM_470572 | 6 | 500 |
| | | | |
| **Specialization Education (Dutch)** | **AM_BMED-Ed** | | |
| Didactiek 1 | O_MLDIDAC_1 | 6 | 400 |
| Praktijk 1 | O_MLPRAK_1 | 6 | 400 |
| Didactiek 2 | O_MLDIDAC_2 | 6 | 400 |
| Praktijk 2 | O_MLPRAK_2 | 9 | 400 |
| Praktijkonderzoek 1 | O_MLPROZ_1 | 3 | 400 |
| Didactiek 3 | O_MLDIDAC_3 | 9 | 400 |
| Praktijk 3 | O_MLPRAK_3 | 15 | 400 |
| *Constrained Choice: Select at least 6 (six) EC* | | | |
| **Optional courses specialization Education** | | | |
| Omgaan met maatsch. Controverses | O_MLOMMCV | 3 | 500 |
| Onderzoekend leren | O_MLONDLE | 3 | 500 |
| Praktijkonderzoek 2 | O_MLPROZ_2 | 6 | 400 |
| ICT en Onderwijs: blended learning | O_MLICT | 3 | 400 |
| Vernieuwend Onderwijs | O_MLVNON | 3 | 500 |
| Praktijkonderzoek 2, feb | O_MLPROZ_2F | 6 | 400 |
| Vergelijkende Onderwijskunde | O_MLVOBU | 3 | 500 |
| Tweetalig Onderwijs | O_MTTO | 3 | 500 |
| Lesson study | O_MLLESST | 3 | 500 |
| | | | |
| **Year 2 research focus programme** | **AM_BMED_FC** | | |
| Internship Biomedical Sciences | AM_471158 | 30 | 600 |

## Article 10.3 Elective units of education

1. The student can take one or more of the following electives without prior consent from the Examination Board:

Advice OLC; (7.13a)

| **Unit of education** | **Course code** | Number of EC | Level |
|---|---|---|---|
| **Optional courses specialization Immunology** | | | |
| Immunotherapy and Immune Monitoring | AM_1282 | 6 | 500 |
| Immunometabolism | AM_1283 | 6 | 500 |
| Molecular infection Biology | AM_470657 | 6 | 600 |
| | | | |
| **Optional courses specialization Infectious Diseases** | | | |
| Containment Strategies | AM_470127 | 6 | 500 |
| Parasitology | AM_470052 | 6 | 400 |
| The human microbiome in health & disease | AM_1021 | 3 | 500 |
| | | | |
| **Optional courses specialization International Public Health** | | | |
| Disability and development | AM_470588 | 6 | 500 |
| Health, Globalisation and Human Rights | AM_470818 | 6 | 500 |

| | | | |
|---|---|---|---|
| International Analyses of Health Care | AM_470820 | 6 | 500 |
| | | | |
| **Optional courses specialization Science Communication** | | | |
| Science in Dialogue | AM_1002 | 6 | 500 |
| Communication, Org. and Management | AM_470572 | 6 | 500 |
| Science Museology | AM_470590 | 6 | 500 |
| Science Journalism | AM_471014 | 6 | 500 |
| | | | |
| **Optional courses specialization Science in Society** | | | |
| Science in Dialogue | AM_1002 | 6 | 500 |
| Management of Innovative Tech. | AM_1181 | 6 | 500 |
| Clinical Development and Clinical Trials | AM_1180 | 3 | 500 |
| Business management | AM_470584 | 6 | 500 |
| Disability and development | AM_470588 | 6 | 500 |
| Policy, Politics and Participation | AM_470589 | 6 | 500 |
| Health, Globalisation and Human Rights | AM_470818 | 6 | 500 |

2. If the student wishes to take a different unit of education than listed, advance permission must be obtained in writing from the Examinations Board.
3. Students with room for an elective or with the Research Focus Programme may choose any of the courses mentioned in 10.2.2, 10.2.3 and 10.3.1, except from the specializations Neurobiology and Education and internships.

## Article 10.4 Practical exercise

The following components can be considered as practical exercises:

Approval OLC (7.13 d)

| Name of unit of education | course code | nr of EC | level |
|---|---|---|---|
| Internship Immunology | AM_471137 | 30 | 600 |
| Internship Infectious Diseases | AM_471138 | 30 | 600 |
| Internship Neurobiology | AM_1178 | 30 | 600 |
| Internship Biomedical Sciences- no spec. | AM_471158 | 30 | 600 |
| Internship International Public Health | AM_471139 | 30 | 600 |
| Research Internship Science Comm. | AM_1162 | 30 | 600 |
| Reflective Practice Int. SC. Comm. | AM_1163 | 30 | 600 |
| Internship Science in Society (BMED) | AM_1133 | 30 | 600 |

## Article 10.5 Participation in practical training and tutorials

1. In the case of practical exercises, attendance requirements are decided by the course coordinator.

Approval OLC (7.13 d)

2. In the case of tutorials, attendance requirements are decided by the course coordinator.

Approval OLC (7.13 d)

## 11. Evaluation and transitional provisions

### Article 11.1 Evaluation of the education

| | |
|---|---|
| 1. The education provided in this programme is evaluated in accordance with the document 'Kwaliteitszorg Onderwijs BETA'. | Approval OLC (7.13 a1) |

### Article 11.2 Transitional provisions

By way of departure from the Teaching and Examination Regulations currently in force, the following transitional provisions apply for students who started the programme under a previous set of Teaching and Examination Regulations:

Advice OLC (7.13 a)

| **Newest component** | **specialization** | **Former component(s)** |
|---|---|---|
| AM_1258 Study and Career year 1 M BMED (0EC) AND AM_1270 Study and Career year 2 M BMED (3EC) | Compulsory courses | AM_1245 Study and career year 1 M BMED (3EC) AND AM_1270 Study and Career year 2 M BMED (3EC) |
| AM_1275 From Molecule to Mind (6EC) | Neurobiology | AM_1215 From Molecule to Mind (9EC) or AM_1190 From Molecule to Mind (6EC) |
| AM_1276 Statistics in Neurosciences (6EC) | Neurobiology | AM_1216 Statistics in Neurosciences (3EC) or AM_1191 Data Analysis and Visualisation (6EC) |
| AM_1282 Immunotherapy and Immune Monitoring (6EC) | Immunology | M_OIMMU03 Immunity and Diseases (6EC), AM_1031 Immunity and Disease/ Translational Immunology (6EC) or AM_1224 Single Cell Technologies (3EC) or AM_1257 Single-Cell OMICs in Immunotherapy (6EC) |
| AM_470052 Parasitology (6EC) | Infectious Diseases | AM_1055 Parasitology (6EC) |
| AM_1161B, Scientific Writing in English (BMED) (3EC) | compulsory courses | AM_471023, AM_1161A Scientific Writing in English (3EC) or comparable courses |
| AM_1182 Research methods for analyzing problems (6EC) | Science Communication and Science in Society | AM_470582 Qualitative and Quantitative Research Methods (6EC) |
| AM_1162 Research Internship Science Communication *or* AM_1163 Reflective Practice Internship Science Communication (30EC) | Science Communication | AM_471145 Internship Communication Specialization (30EC) |
| AM_1255 Research Methods for Health Sciences | International Public Health | AM_470817 Research Methods for Need Assessments (6EC) |
| AM_1133 Internship Science in Society (BMED) (30EC) | Science in Society | AM_471144 Internship Societal Specialization (30EC) |

| | | | | |
|---|---|---|---|---|
| | AM_1214 Genetics in Neurosciences (6 EC) | Neurobiology | AM_1006 Behavioral Genetics (6EC) | |
| From the academic year of change, students obtain the new courses, unless they passed the former ones. | | | | |

Approval of the Programme Committee of the curriculum structure (submitted via UAS), on 14 December 2021.

Advice and approval by the Programme Committee (with the exception of the curriculum structure), on 17 May 2022.

Approved by the Faculty Joint Assembly, on 28 June 2022.

Adopted by the board of the Faculty of Sciences on 1 July 2022.

## **Appendix I** Overview of articles that must be included in the OER

*Based on Article 7.13, paragraph 2, of the WHW and other Articles of the Act.*

Section A: Faculty section

| | |
|---|---|
| **2. Study programme structure** | |
| Article 2.1 Structure of academic year and units of education | 7.13 paragraph 2 sub e |
| **3. Assessment and examination** | |
| Article 3.2 Type of examination | 7.13 paragraph 2 sub h, l, j |
| Article 3.3 Oral interim examinations | 7.13 paragraph 2 sub l, n |
| Article 3.4 Determining and announcing results | 7.13 paragraph 2 sub o |
| Article 3.5 Examination opportunities | 7.13 paragraph 2 sub h, j |
| Article 3.7 Exemption | 7.13 paragraph 2 sub r |
| Article 3.8 Validity period for results | 7.13 paragraph 2 sub k |
| Article 3.9 Right of inspection and post-examination discussion | 7.13 paragraph 2 sub p, q |
| **4. Academic student counselling and study progress** | |
| Article 4.1 Administration of study progress and academic student counselling | 7.13 paragraph 2 sub u |
| Article 4.2 Facilities for students with a disability | 7.13 paragraph 2 sub m |

Section B1: Programme specific – general provisions

| | |
|---|---|
| **6. General programme information and characteristics** | |
| Article 6.1 Study programme information | 7.13 paragraph 2 sub i, r |
| Article 6.2 Teaching formats used and modes of assessment | 7.13 paragraph 2 sub l, x |
| [option:] Article 6.3 Academic student counselling | 7.13 paragraph 2 sub u |
| **7. Further admission requirements** | |
| Article 7.2 Admission requirements | 7.30b paragraph 1 |
| Article 7.3 Selection criteria | 7.30b paragraph 2, 5 |
| **8. Interim examinations and results** | |
| Article 8.1 Sequence of interim examinations | 7.13 paragraph 2 sub h, s, t |
| [option 1:] Article 8.2 Validity period for results | 7.13 paragraph 2 sub k |
| [option 2:] Article 8.2 Validity period for results | 7.13 paragraph 2 sub k |

Section B2: Programme specific – content of programme

| | |
|---|---|
| **9. Programme objectives, tracks/specializations, exit qualifications and language** | |
| Article 9.1 Workload | 7.13 paragraph 2 sub g |
| Article 9.2 Tracks and/or specializations | 7.13 paragraph 2 sub a |
| Article 9.3 Programme objective | 7.13 paragraph 2 sub a |
| Article 9.4 Exit qualifications | 7.13 paragraph 2 sub b, c |
| Article 9.5 Language of instruction | 9.18 (*implementation expected in 2020*) |
| **10. Curriculum structure** | |
| Article 10.1 Composition of the programme | 7.13 paragraph 2 sub a |
| Article 10.2 Compulsory units of education | 7.13 paragraph 2 sub a |
| [Optional] Article 10.3 Elective units of education | 7.13 paragraph 2 sub a |
| [Optional] Article 10.4 Practical exercise | 7.13 paragraph 2 sub d |
| Article 10.5 Participation in practical training and tutorials | 7.13 paragraph 2 sub d |
| **11. Evaluation and transitional provisions** | |
| Article 11.1 Evaluation of the education | 7.13 paragraph 2 sub a1 |
| Article 11.2 Transitional provisions | 7.13 paragraph 2 sub a |

## **Appendix II** Overview of advisory and approval rights of Programme Committees (OLC) and Faculty Joint Assembly (FGV)

*(English below)*

| **Onderwerpen Onderwijs – en Examenregeling (OER) 7.13 lid 2 WHW** | **FGV** | | **OplC** | |
|---|---|---|---|---|
| | **I** | **A** | **I** | **A** |
| **a. de inhoud van de opleiding en van de daaraan verbonden examens** | | | | |
| **a1. de wijze waarop het onderwijs in de desbetreffende opleiding wordt geëvalueerd** | | | | |
| **b. de inhoud van de afstudeerrichtingen binnen een opleiding** | | | | |
| **c. de kwaliteiten op het gebied van kennis, inzicht en vaardigheden die een student zich bij beëindiging van de opleiding moet hebben verworven** | | | | |
| **d. waar nodig, de inrichting van praktische oefeningen** | | | | |
| **e. de studielast van de opleiding en van elk van de daarvan deel uitmakende onderwijseenheden** | | | | |
| **f. de nadere regels, bedoeld in de artikelen 7.8b, zesde lid, en 7.9, vijfde lid *(BSA)*** | | | | |
| **g. ten aanzien van welke masteropleidingen toepassing is gegeven aan artikel 7.4a, achtste lid *(verhoogde studielast)*** | | | | |
| **h. het aantal en de volgtijdelijkheid van de tentamens alsmede de momenten waarop deze afgelegd kunnen worden** | | | | |
| **i. de voltijdse, deeltijdse of duale inrichting van de opleiding** | | | | |
| **j. waar nodig, de volgorde waarin, de tijdvakken waarbinnen en het aantal malen per studiejaar dat de gelegenheid wordt geboden tot het afleggen van de tentamens en examens** | | | | |
| **k. waar nodig, de geldigheidsduur van met goed gevolg afgelegde tentamens, behoudens de bevoegdheid van de examencommissie die geldigheidsduur te verlengen** | | | | |
| **l. of de tentamens mondeling, schriftelijk of op een andere wijze worden afgelegd, behoudens de bevoegdheid van de examencommissie in bijzondere gevallen anders te bepalen** | | | | |
| **m. de wijze waarop studenten met een handicap of chronische ziekte redelijkerwijs in de gelegenheid worden gesteld de tentamens af te leggen** | | | | |
| **n. de openbaarheid van mondeling af te nemen tentamens, behoudens de bevoegdheid van de examencommissie in bijzondere gevallen anders te bepalen** | | | | |
| **o. de termijn waarbinnen de uitslag van een tentamen bekend wordt gemaakt alsmede of en op welke wijze van deze termijn kan worden afgeweken** | | | | |
| **p. de wijze waarop en de termijn gedurende welke degene die een schriftelijk tentamen heeft afgelegd, inzage verkrijgt in zijn beoordeelde werk** | | | | |
| **q. de wijze waarop en de termijn gedurende welke kennis genomen kan worden van vragen en opdrachten, gesteld of gegeven in het kader van een schriftelijk afgenomen tentamen en van de normen aan de hand waarvan de beoordeling heeft plaatsgevonden** | | | | |
| **r. de gronden waarop de examencommissie voor eerder met goed gevolg afgelegde tentamens of examens in het hoger onderwijs, dan wel voor buiten het hoger onderwijs opgedane kennis of vaardigheden, vrijstelling kan verlenen van het afleggen van een of meer tentamens** | | | | |
| **s. waar nodig, dat het met goed gevolg afgelegd hebben van tentamens voorwaarde is voor de toelating tot het afleggen van andere tentamens** | | | | |
| **t. waar nodig, de verplichting tot het deelnemen aan praktische oefeningen met het oog op de toelating tot het afleggen van het desbetreffende tentamen, behoudens de bevoegdheid van de examencommissie vrijstelling van die verplichting te verlenen, al dan niet onder oplegging van vervangende eisen** | | | | |
| **u. de bewaking van studievoortgang en de individuele studiebegeleiding** | | | | |
| **v. indien van toepassing: de wijze waarop de selectie van studenten voor een speciaal traject binnen een opleiding, bedoeld in artikel 7.9b, plaatsvindt *(excellentietraject binnen een opleiding)*** | | | | |
| **x. de feitelijke vormgeving van het onderwijs** | | | | |
| ***alle overige onderwerpen die in de OER zijn geregeld maar die niet als zodanig zijn genoemd in art. 7.13 WHW onder a t/m x.*** | | | | |

*De lettering komt overeen met de lettering van artikel 7.13 lid 2 WHW*

**Afkortingen:**

FGV: Facultaire Gezamenlijke Vergadering
OplC: Opleidingscommissie
I: Instemmingsrecht
A: Adviesrecht

## **Appendix II (English)** Overview of advisory and approval rights of Programme Committees (OLC) and Faculty Joint Assembly (FGV)

*Disclaimer: this is a translation which only serves as an aid. No rights may be derived from it. The Dutch document prevails.*

| Article 7.13, paragraph 2, of the Higher Education and Research Act | FGV | | OplC | |
|---|---|---|---|---|
| | I | A | I | A |
| a. content of the programme and associated examinations | | | | ■ |
| a1. the manner in which teaching and education in the relevant programme are evaluated | | | ■ | |
| b. the content of the specializations offered as part of the programme | | | ■ | |
| c. the programme's final attainment levels with regard to the knowledge, understanding and skills | | | ■ | |
| d. where applicable, the design of practical exercises | | | ■ | |
| e. the workload of the programme and of each of its constituent educational units | | | ■ | |
| f. the detailed rules referred to in Article 7.8b, sixth paragraph, and Article 7.9, fifth paragraph (recommendation on continuation of studies) | | | | ■ |
| g. the Master's programmes to which Article 7.4a, eighth paragraph, applies (elevated workload) | | | ■ | |
| h. the number and sequence of interim examinations and the times at which these can be taken | ■ | | | ■ |
| i. the full-time, part-time or work-study structure of the programme | ■ | | | ■ |
| j. where necessary, the order, and the periods in which and the number of times per academic year that the opportunity to sit interim examinations and final degree assessments is given | ■ | | | ■ |
| k. where necessary, the period of validity for pass grades awarded for interim examinations, notwithstanding the authority of the Examination Board to extend this period of validity | ■ | | | ■ |
| l. whether interim examinations are administered in oral, written or another form, notwithstanding the authority of the Examination Board to decide otherwise | ■ | | | ■ |
| m. the way in which students with a disability or chronic health condition are given a reasonable opportunity to take the interim examinations | ■ | | | ■ |
| n. the public nature of oral interim examinations, subject to the right of the Examination Board to determine otherwise in special cases | ■ | | | ■ |
| o. the period within which the results of an interim examination must be announced, together with details of whether this period can be altered and if so in what way | ■ | | | ■ |
| p. the way in which and the period within which students who have taken an interim examination are given the opportunity to inspect their marked work | ■ | | | ■ |
| q. the way in which and the period within which information can be provided about the questions asked and exercises given in the framework of a written interim examination and about the standards used for assessment | ■ | | | ■ |
| r. the grounds on which the Examination Board could grant exemption from the taking of one or more interim examinations to students who have previously passed interim examinations in higher education or have acquired knowledge or skills outside higher education | ■ | | | ■ |
| s. where necessary, the stipulation that students must pass certain interim examinations as a condition for admission to other interim examinations | ■ | | | ■ |
| t. where necessary, the obligation to take part in certain practical exercises with a view to admission to the interim examination in question, subject to the authority of the Examination Board to grant exemption from this obligation, with or without the imposition of alternative requirements | ■ | | | ■ |
| u. the monitoring of academic progress and individual student support and guidance | ■ | | | ■ |
| v. where applicable, the manner in which students are selected for a special track within a programme as referred to in Article 7.9b (excellence track within a programme) | | | ■ | |
| x. the actual design of the education provided | ■ | | | ■ |
| *All other matters that are regulated in the Academic and Examination Regulations but which are not mentioned as such in Article 7.13 of the Higher Education and Research Act under points a to x.* | | | | ■ |

Abbreviations used:

FGV: Faculty Joint Assembly

OplC: Programme Committee

I: right of approval

A: right of advice

## **Appendix III** Ordinances VU CvB and Binding Guidelines (richtlijn)

| **Section A, article:** | **Concerns:** | **CvB ordinance / guideline** |
|---|---|---|
| 2.1.1, 2.1.2 | Year planning two semesters 8-8-4<br>(uniform year calendar VU-UvA) | 29-9-2008 (period 2009-2015) 22-05-2014 (period 2016-2025) |
| 2.1.3, 2.1.4 | Units of education | Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017 |
| 3.1 | Signing up for education and interim examinations | CvB ordinance 30-09-2010, prior consent USR. |
| 3.4.1 | Determination and publication of the results<br>(1) Grading deadline exams ten working days<br>(2) Theses twenty working days | (1) Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017<br>((2) Quality demand 11 from the VU assessment policy, CvB ordinance 15-05-2012 |
| 3.5.1 | Two possibilities to take examinations per year | Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017 |
| 3.5.2 | Retake:<br>Most recent grade is valid<br>A pass can be retaken | Taken from the UvA guidelines, as part of the harmonization, CvB ordinance 24-02-2014 |
| 3.5.4 | One-time extra resit in relation to examination requirement | Included in (prior) model OER 16-17 following a request from committee O&O and adopted by CvB op 27-10-2015 |
| 3.6 | Grades | CvB ordinance 30-09-2010, with University council's consent. As a result of harmonization UvA, the guideline: 5.5 is a pass, has been added. CvB ordinance 24-02-2014. |
| **Section B1, article:** | **Concerns:** | **CvB ordinance / guideline** |
| 7.2 | Admission criteria; at least WO Bachelor's degree | Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017 |
| 7.3 | Selection criteria; type of criteria | Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017 |
| **Section B1, article:** | **Concerns:** | **CvB ordinance / guideline** |
| 10.1 | Composition programme | Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017 |
| 10.2 | Categorization of units | Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017 |

## **Appendix IV** Article 2.1 of the Higher Education and Research (Implementation) Act (Uitvoeringsbesluit)

*(English below)*

1. De persoonlijke omstandigheden bedoeld in de artikelen 7.8b, derde lid, en 7.9, derde lid, van de wet, zijn uitsluitend:

a. ziekte van betrokkene,
b. lichamelijke, zintuiglijke of andere functiestoornis van betrokkene,
c. zwangerschap van betrokkene,
d. bijzondere familie-omstandigheden,
e. het lidmaatschap, daaronder begrepen het voorzitterschap, van:

1. bij universiteiten: de universiteitsraad, faculteitsraad, het orgaan dat is ingesteld op grond van de medezeggenschapsregeling, bedoeld in artikel 9.30, derde lid, onderscheidenlijk artikel 9.51, tweede lid, van de wet, het bestuur van een opleiding of de opleidingscommissie, alsmede het lidmaatschap van het bestuur van een stichting die blijkens haar statuten tot doel heeft de exploitatie van voorzieningen, behorende tot de studentenvoorzieningen, dan wel van een daarmee naar het oordeel van het instellingsbestuur gelet op de taak gelijk te stellen orgaan,

2. bij hogescholen: de medezeggenschapsraad, deelraad, studentencommissie of opleidingscommissie.

f. andere in de regelingen, bedoeld in de artikelen 7.8b, zesde lid, en 7.9, vijfde lid, van de wet door het instellingsbestuur aan te geven omstandigheden waarin betrokkene activiteiten ontplooit in het kader van de organisatie en het bestuur van de zaken van de instelling,
g. het lidmaatschap van het bestuur van een studentenorganisatie van enige omvang met volledige rechtsbevoegdheid, dan wel van een vergelijkbare organisatie van enige omvang, bij wie de behartiging van het algemeen maatschappelijk belang op de voorgrond staat en die daartoe daadwerkelijk activiteiten ontplooit.
h. andere in de onderwijs- en examenregeling, bedoeld in artikel 7.13 van de wet, op grond van artikel 7.13, tweede lid, onderdeel f, van de wet, vast te leggen persoonlijke omstandigheden,
i. andere dan in de onderdelen a tot en met h bedoelde persoonlijke omstandigheden die, indien zij door het instellingsbestuur niet in de beoordeling zouden worden betrokken, zouden leiden tot een onbillijkheid van overwegende aard.

2. Het instellingsbestuur kan voor de toepassing van het eerste lid, onderdeel g, nadere regels vaststellen omtrent het aantal bestuursleden dat ten hoogste per organisatie per studiejaar in aanmerking komt, zomede omtrent welke bestuursfuncties in aanmerking komen.

## **Appendix IV (English)** Article 2.1 of the Higher Education and Research (Implementation) Act

*Disclaimer: This is a translation which only serves as an aid. No rights may be derived from it. The Dutch document prevails.*

1.The extenuating personal circumstances referred to in Article 7.8b, paragraph 3 and 7.9, paragraph 3 of the Act (WHW) are limited to:

a. illness of the person concerned,
b. physical, sensory or other impairment of the person concerned,
c. pregnancy of the person concerned,
d. extenuating family circumstances,
e. membership, including the chairmanship of:

1. universities: the university council, faculty council, the body established under the participation regulation referred to in Article 9.30, paragraph 3, or Article 9.51, paragraph 2, of the Act, the programme management or the programme committee, or membership on the board of a foundation whose bylaws allow for the exploitation of facilities belonging to the student services, or an equivalent body with regard to its activities in the opinion of the board of the institution,
2. universities of applied sciences: the participation council, district council, student committee or programme committee,

f. other circumstances to be designated by the board of the institution in the regulation as referred to in Article 7.8b, paragraph 6, and Article 7.9, paragraph 5, of the Act in which the person concerned engages in activities within the framework of the organization and the administration of the affairs of the institution,
g. membership on the board of a student organization of a certain size with full legal capacity, or a similar organization of a certain size, whose primary task regards general societal interest and which actually develops activities for this purpose,
h. other personal circumstances set out in the Teaching and Examination Regulations as referred to in Article 7.13 of the Act, pursuant to Article 7.13, paragraph 2, clause f of the Act,
i. personal circumstances other than those referred to in a – h above which, if overlooked by the governing bodies of the institution, would lead to an obviously unfair outcome.

2. The institutional board may, for the purposes of the first paragraph, part g, establish specific rules regarding the maximum number of eligible board members per organization per academic year, as well as the eligible administrative offices.

## **Appendix V** Addendum Teaching and Examination Regulations Master's degree programme in Biomedical Sciences 2022-2023

Several articles for the 2022-2023 academic years will be temporarily suspended or amended as a result of the consequences of the measures to stop the spread of COVID-19. These amendments apply exclusively to the teaching and examination regulations mentioned below.

### Applicability

This addendum applies to the following programmes:

- Master's programme in Biomedical Sciences
- Pre-master's programme in Biomedical Sciences

### Teaching and Examination Regulations for Master's students, Section B1: Programme-specific section

**Article 7.2 Admission requirements**

| | |
|---|---|
| Supplementary to Article 7.2.1, students* are also admissible for the 2022-2023 academic year [admission in September 2022] if, by 31 August 2022 at the latest,<br><br>they have earned at least 150 EC from the university (WO) Bachelor's programme or 210 EC from the HBO Bachelor's programme, under the following conditions:<br>• The Bachelor's degree certificate must still be obtained before 1 September 2023 or before the Master's degree certificate is obtained, whichever comes first. If this condition is not met, the student will not be able to continue or complete the Master's programme.<br>• Students are required to have finished their Bachelor's thesis/internship before they are able to start a Master's Internship Biomedical Sciences.<br>• Additional admission requirements (not EC related) remain applicable.<br>• English language proficiency requirements remain applicable.<br><br>also admissible, students* who, by no later than 31 August 2022, have earned at least 24 EC from the bridging or pre-Master's programme, under the following conditions:<br>• Students are required to have successfully completed the bridging or pre-Master's programme before 1 September 2023 or before starting the Master's Internship Biomedical Sciences, whichever comes first. If this condition is not met, the student will not be able to continue or complete the Master's programme.<br>• Additional admission requirements (not EC related) remain applicable.<br>• English language proficiency requirements remain applicable.<br><br>*The above supplementary requirements do not apply to non-EEA students who must complete a Bachelor's programme outside of the Netherlands. | Based on additional Section 7:37e WHW<br><br>University Student Council's advice on policy (9:33a Higher Education and Research Act, second paragraph)<br><br>Advice of the OLC on each programme via the Teaching and Examination Regulations |

**Article 7.4 Bridging or pre-Master's programme**

| | |
|---|---|
| Supplementary to Article 7.4.1, students* are also admissible for the 2022-2023 academic year [admission in September 2022] if, by 31 August 2022 at the latest,<br><br>they have earned at least 150 EC from the designated university (WO) Bachelor's programme or 210 EC from the designated HBO Bachelor's programme, under the following conditions:<br>• The Bachelor's examinations must still be passed before 1 September 2023, or before the bridging or pre-Master's programme is completed, whichever comes first. If this condition is not met, the student will not be able to complete or continue the programme.<br>• Additional admission requirements (not EC related) remain applicable. | Based on additional Section 7:37e WHW<br><br>University Student Council's advice on policy (9:33a Higher Education and |

| | |
|---|---|
| • English language proficiency requirements remain applicable.<br><br>*The above supplementary requirements do not apply to non-EEA students who must complete a Bachelor's programme outside of the Netherlands. | Research Act, second paragraph)<br><br>Advice of the OLC on each programme via the Teaching and Examination Regulations |