



Teaching and Examination Regulations (TER)

Faculty of Science

Masterprogramme in Drug Discovery and Safety

Academic year: 2019-2020

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	5
Article 2.1 Structure of academic year and educational components.....	5
Article 2.2 Refusal or termination of registration / (iudicium abeundi).....	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
Article 3.10 Fraud and plagiarism.....	9
4. Academic student counselling and study progress.....	9
Article 4.1 Administration of study progress and academic student counselling.....	9
Article 4.2 Adaptations for students with a disability.....	9
5. Hardship clause.....	10
Article 5.1 Hardship clause.....	10
Article 5.2. Publication.....	10
Section B1: Programme specific – general provisions.....	11
6. General programme information and characteristics.....	11
Article 6.1 Study programme information.....	11
Article 6.1a. Deviant size of educational component.....	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 Pre-Master's programme.....	13
8. Interim examinations and results.....	13
Article 8.1 Sequence of interim examinations.....	13
Article 8.2 Validity period for results.....	14
Article 8.3 Maximum Exemption(s).....	14
Article 8.4 Degree.....	14
Section B2: Programme specific – content of programme.....	15
9. Programme objectives, specializations and exit qualifications.....	15
Article 9.1 Workload.....	15
Article 9.2 Specializations.....	15
Article 9.3 Programme objective.....	15
Article 9.4 Exit qualifications.....	15
10. Curriculum structure.....	17
Article 10.1 Composition of the programme.....	17
Article 10.2 Compulsory educational components.....	17
Article 10.3 Elective educational components.....	22
Article 10.4 Participation in practical training and tutorials.....	24
11. Evaluation and transitional provisions.....	25
Article 11.1 Evaluation of the education.....	25

Article 11.2 Transitional provisions.....	25
Appendix I Overview of articles that must be included in the OER	26
Appendix II Overview of rights to prior consultation (advice) and rights to approve OLC and FGV	27
Appendix III Ordinances VU CvB and Binding Guidelines (richtlijn)	28

Section A: Faculty Section

1. General provisions

Article 1.1 Applicability of the Regulations

<p>1. These Regulations apply to anyone enrolled for the programme, irrespective of the academic year in which the student was first enrolled for the programme. These Regulations apply to the teaching and examinations for the following Master's degree programmes:</p> <ul style="list-style-type: none"> ▪ Artificial Intelligence ▪ Bioinformatics and System Biology ▪ Biomedical Sciences ▪ Biomolecular Sciences ▪ Business Analytics ▪ Computer Science ▪ Drug Discovery and Safety ▪ Earth Sciences ▪ Ecology ▪ Environment and Resource Management ▪ Global Health (research) ▪ Health Sciences ▪ Hydrology ▪ Information Sciences ▪ Management, Policy Analysis and Entrepreneurship in the Health and Life Sciences ▪ Mathematics ▪ Medical Natural Sciences ▪ Neurosciences (research) ▪ Parallel and Distributed Computer Systems ▪ Science Business and Innovation ▪ Stochastics and Financial Mathematics 	<p>Advice OLC, approval FGV (9.38 ub b)</p>
<p>2. These Regulations enter into force with effect from 1 September 2019.</p>	<p>Advice OLC, approval FGV (9.38 ub b)</p>
<p>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.</p>	<p>Advice OLC, approval FGV (9.38 sub b)</p>

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 Unviersiteit Amsterdam and the educational institution within and outside the EU, 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): an EC credit with a workload of 28 hours of study;
- e. educational component: a unit of study of the programme within the meaning of the WHW;
- f. examination: the final examination of the Master's programme;
- g. 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;
- h. FGV: Faculty joint assembly – assembly of the faculty student council and faculty staff

	council;
i. interim examination:	an assessment of the student's knowledge, understanding and skills relating to a course component. The assessment is expressed in terms of a final mark. An interim examination may consist of one or more partial examinations. A resit always covers the same material as the original interim examination;
j. 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;
k. OLC:	programme committee;
l. period:	a part of a semester;
m. practical exercise:	the participation in a practical training or other educational learning activity, aimed at acquiring certain (academic) skills. Examples of practical exercises are: <ul style="list-style-type: none"> o researching and writing a thesis or dissertation o carrying out a research assignment o taking part in fieldwork or an excursion o taking part in another educational learning activity aimed at acquiring specific skills, or o participating in and completing a work placement;
n. premaster student	those who enroll in a premaster programme;
o. Programme:	the totality and cohesion of the course components, teaching activities/methods, contact hours, testing and examination methods and recommended literature;
p. SAP/SLM:	the student information system (<i>Student Lifecycle Management</i>);
q. semester:	the first (September - January) or second half (February - August) of an academic year;
r. 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/studiegids
s. subject	see 'educational component';
t. substituting course/educational component	see under d (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'.
u. thesis/ internship work placement	a component comprising research into the literature and/or contributing to scientific research, always resulting in a written report;
v. university:	Vrije Universiteit Amsterdam;
w. WHW:	the Dutch Higher Education and Research Act (<i>Wet op het Hoger Onderwijs en Wetenschappelijk Onderzoek</i>);
x. workload:	the workload of the unit of study to which an interim examination applies, expressed in terms of credits = EC credits (ECTS = European Credit and Transfer Accumulation System). The workload for 1 year (1,680 hours) is 60 EC credits.

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

2. Study programme structure

Article 2.1 Structure of academic year and educational components

1. The study programme will be offered in a year divided into two semesters.	Ordinance CvB, see appendix 3
2. Every semester consists of three consecutive periods of eight, eight and four weeks.	Ordinance CvB, see appendix 3
3. An educational component comprises 6 EC or a multiple thereof.	Ordinance CvB,

	see appendix 3
4. By way of exception to paragraph 3, Section B may stipulate that a unit of study comprises 3 EC or a multiple thereof. The Faculty Board requests permission from the Executive Board.	Ordinance CvB, see appendix 3

Article 2.2 Refusal or termination of registration / (iudicium abeundi)

1. Pursuant to the provisions of Article 7.42a of the Act, the Faculty Board or the Examination Board may, in exceptional circumstances, request the Executive Board to terminate or refuse a student's registration on a programme. This may be the case if the student's conduct or statements demonstrate his or her unsuitability to work in the relevant field or discipline, or to take part in the programme's practical training component.	WHW
2. If a student is suspected of being unsuitable as described in paragraph 1, the Examination Board or the Faculty Board will examine the case, and the student will be informed of this immediately. The Examination Board or the Faculty Board will only issue a recommendation after careful consideration of the interests involved and following a hearing with the student concerned.	WHW

3. Assessment and Examination

Article 3.1 Signing up for education and interim examinations

1. Every student must sign up to participate in the educational components of the programme, the examinations and resits. The procedure for signing up is described in an annex to the Student Charter.	Ordinance CvB, see appendix 3
2. Signing up may only take place in the designated periods.	Ordinance CvB, see appendix 3
3. If a student does not pass the examination and the resit of a component, he/ she is obliged to take the whole component again. This rule does not apply to practical exercises and programmes that make use of component marks that retain their validity. For further regulations see Section B of the programme involved.	Advice OLC, approval FGV (7.13 x)

Article 3.2 Type of examination

1. At the student's request, the Examination Board may permit a different form of interim examination than that stipulated in the course catalogue. If applicable, more detailed regulations on this are included in the Rules and Guidelines for the Examination Board.	Advice OLC, Approval FGV (7.13 l)
2. In an educational component is no longer offered in the academic year following its termination, at least one opportunity will be provided to sit the interim examination(s) or parts thereof and a transitional arrangement will be included in the programme-specific section for the subsequent period.	Advice OLC, approval FGV (7.13 j)

Article 3.3 Oral interim examinations

1. An oral assessment is public unless the Examinations Board on request determines otherwise.	Advice OLC; approval FGV (7.13 l and n)
2. An oral examination will be taken in the presence of a second examiner.	Advice OLC, approval FGV (art. 9.38 par. b)

Article 3.4 Determining and announcing results

1. The examiner determines the result of a written interim examination as soon as possible, but at the latest within fifteen working days. By way of departure from that stipulated in the first clause, the marking deadline for theses, internships / work placements 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 3
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<p>2. a. The examiner determines the result (i.e. mark) of an oral examination as soon as possible, though within one working day, after the examination has finished and informs the student accordingly. The third clause of the first paragraph applies.</p> <p>b. The examiner determines the result of an interim examination no later than five working days before the next (interim) examination will be held.</p>	Advice OLC; approval FGV (7.13 o)
<p>3. In the case of alternative forms of oral or written examinations, the Examination Board determines in advance how and by what deadline the student will be informed of the results.</p>	Advice OLC; approval FGV (7.13 o)
<p>4. A student can submit a request for reassessment to the examiner. A request for reassessment does not affect the time period for lodging an appeal.</p>	Advice OLC; approval FGV (9.38 sub b)
<p>5. Together with the result of an examination, the student's attention will also be drawn to their right to inspect the assessed work and have a post-examination discussion as stipulated in Art. 3.9, as well as his/her option to lodge a complaint before the Examination Board, and if necessary, to appeal to the Examinations Appeals Board (in Dutch: COBEX).</p>	

Article 3.5 Examination opportunities

<p>1. a. Per academic year, two opportunities to take examinations per educational component will be offered.</p> <p>b. The options for retaking practical components, work placements and theses are detailed in the relevant work placement manual, teaching regulations or graduation regulations.</p>	Ordinance CvB, see appendix 3
<p>2. The most recent mark will apply in the event of a resit. A retake is allowed for both passed and failed units of study.</p>	Ordinance CvB, see appendix 3
<p>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.</p>	Advice OLC; approval FGV (7.13 j)
<p>4. The Examination Board may allow a student an extra opportunity to sit an examination if that student:</p> <p>a) is lacking only those credits to qualify for his or her degree;</p> <p>b) has failed the examination during all the previously offered attempts, unless participation in an examination was not possible for compelling reasons.</p> <p>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 assignments 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.</p>	Ordinance CvB, see appendix 3

Article 3.6 Marks

<p>1. Marks are given on a scale from 1 to 10 with no more than one decimal point.</p>	Ordinance CvB, see appendix 3															
<p>2. The final marks are given in whole or half points.</p>	Ordinance CvB, see appendix 3															
<p>3. Final marks between 5 and 6 will be rounded off to whole marks: up to 5.5 rounded down; from 5.5 rounded up. To pass a course, a 6 or higher is required.</p> <p>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:</p> <table border="1" data-bbox="448 1883 983 2089"> <thead> <tr> <th>From</th> <th>Up to</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>1,00</td> <td>1,25</td> <td>1</td> </tr> <tr> <td>1,25</td> <td>1,75</td> <td>1,5</td> </tr> <tr> <td>1,75</td> <td>2,25</td> <td>2,0</td> </tr> <tr> <td>2,25</td> <td>2,75</td> <td>2,5</td> </tr> </tbody> </table>	From	Up to	Grade	1,00	1,25	1	1,25	1,75	1,5	1,75	2,25	2,0	2,25	2,75	2,5	Ordinance CvB, see appendix 3
From	Up to	Grade														
1,00	1,25	1														
1,25	1,75	1,5														
1,75	2,25	2,0														
2,25	2,75	2,5														

	2,75	3,25	3,0		
	3,25	3,75	3,5		
	3,75	4,25	4,0		
	4,25	4,75	4,5		
	4,75	5,50	5,0		
	5,50	6,25	6,0		
	6,25	6,75	6,5		
	6,75	7,25	7,0		
	7,25	7,75	7,5		
	7,75	8,25	8,0		
	8,25	8,75	8,5		
	8,75	9,25	9,0		
	9,25	9,75	9,5		
	9,75	10,0	10		
4. The Examination Board can allow to use symbols rather than numbers, such as: pass, fail, (un)satisfactory, good, VRS (exemption). 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 3

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 the student: <ul style="list-style-type: none"> a) has passed a course component of a university or higher professional education programme that is equivalent in terms of content and level; b) has demonstrated through his/her work and/or professional experience that he/she has sufficient knowledge and skills with regard to the relevant course component. The Examination Board will make a decision within six weeks after receiving the request.	Advice OLC; approval FGV (7.13 r)
2. The Master's thesis, the final work placement (c.q. internship) and the final project (c.q. final paper) are excluded from this exemption possibility.	Advice OLC; approval FGV (9.38 sub b)
3. A maximum of 18 EC for a one one-year master programme and 36 EC for a one two-year master programme can be accumulated through granted exemption. The substituting courses (educational components) are not included.	Advice OLC, approval FGV (art. 7.13 par. 2, under r WHW jo art. 9.38 par. 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.	WHW
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

1. For twenty working days after the announcement of the results of a written interim examination, the student can, on request, inspect his or her assessed work, the questions and assignments set in it, as well as the standards applied for marking. The place and time referred to in the previous clause will be announced at the time of the interim examination on VUnet or Canvas.	Advice OLC; approval FGV (7.13 p en q)
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	Advice OLC; approval FGV (7.13 q)

discussion or if the student was unable to attend the collective discussion through no fault of his or her own.	
3. Students who meet the requirements stipulated in paragraph 1 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.	Advice OLC; approval FGV (7.13 p en q)

Article 3.10 Fraud and plagiarism

1. The provisions of the Rules and Guidelines for the Examination Board apply in full.	Ordinance CvB
2. Electronic detection software programmes may be used to detect plagiarism in texts. In submitting a text, the student implicitly consents to the text being saved in the database of the detection programme concerned.	Ordinance CvB

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 an educational component 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 his or her disposal in VUnet.	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: <ol style="list-style-type: none"> a. The Student General Counselling Service b. Student psychologists c. Faculty academic advisors 	Advice OLC; approval FGV (7.13 u)

Article 4.2 Adaptations for students with a disability

1. A student with a disability can, at the moment of submission to VUnet, or at a later instance, submit a request to qualify for special adaptations with regard to teaching, practical training and interim examinations. These adaptations 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 psychological evaluation.	Advice OLC; approval FGV (7.13 m)
4. The faculty board, or on behalf of the faculty board, the educational director, or the programme director, decides on the adaptations concerning the teaching facilities and logistics. The Examination Board will rule on requests for adaptations 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 will make an appointment with the study adviser to discuss the details of the provisions.	Advice OLC; approval FGV (7.13 m)
6. A request for adaptations will be refused if it would place a disproportionate burden on the organization or the resources of the faculty or university were it upheld.	Advice OLC; approval FGV (7.13 m)
7. If the disability justifies an extension of the interim examination time, the Examination Board will grant permission testifying to this entitlement to an extension. If a disability justifies other measures to be taken, the Examination Board will advise the Faculty Board on the necessary measures to be taken.	Advice OLC; approval FGV (7.13 m)
8. The decision as referred to in paragraph 7, is valid for a maximum period of one year with	Advice OLC; approval FGV

the exception for the chronic diseases and disabilities.	(7.13 m)
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5. Hardship clause

Article 5.1 Hardship clause

In instances not regulated by the Teaching and Examination Regulations or in the event of demonstrable extreme unreasonableness and unfairness, the faculty board responsible for the study programme will decide, unless the matter concerned is the responsibility of the Examinations Board.	Advice OLC; approval FGV (9.38 sub b)
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Article 5.2. Publication

1. The faculty board will ensure the appropriate publication of these Regulations and any amendments to them.	WHW
2. The Teaching and Examination Regulations will be posted in the study guide or on VUnet.	WHW

Approved by authorized representative advisory body FGOV of the Faculty of Science on 3 September 2019.

Adopted by the Faculty Board on 30 August 2019.

Section B1: Programme specific – general provisions

6. General programme information and characteristics

Article 6.1 Study programme information

1. The programme Drug Discovery and Safety CROHO number 66989 is offered on full-time basis.	Advice OLC; approval FGV (7.13 i)
1a The part-time programme has a nominal duration of study of two year(s).	Advice OLC; approval FGV (7.13 i)
2. The language of instruction is English.	Advice OLC; approval FGV (9.38 sub b)
3. For selected students the programme is offered in partnership with University of Copenhagen and leads to a double degree.	Advice OLC; approval FGV (9.38 sub b)

Article 6.1a. Deviant size of educational component

By way of derogation from art. 2.1 par. 3, the units listed below have deviant size of 3 EC:			Approval OLC (art. 7.13 lid 2, under e), approval CvB
Coursecode	Coursename	EC	
- AM_1180	Clinical Development and Clinical Trials	(3 EC)	
- O_MFDIDAC_3	Didactiek 3	(9 EC)	
- O_MLDIDAC_3	Didactiek 3	(9 EC)	
- AM_1179	Epidemiology	(3 EC)	
- XM_432517	Ethics and Academic Skills	(3 EC)	
- AM_470707	Ethics in Life Sciences	(3 EC)	
- O_MFPRAK_2	Praktijk 2	(9 EC)	
- O_MLPRAK_2	Praktijk 2	(9 EC)	
- O_MFPROZ_1	Praktijkonderzoek 1	(3 EC)	
- O_MLPROZ_1	Praktijkonderzoek 1	(3 EC)	
- X_400592	Scientific Writing in English	(3 EC)	
- XM_432741	Teaching Assistant	(3 EC)	
- X_432625	Tutoring Students	(3 EC)	

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 educational component are specified in the study guide.	Advice OLC; approval FGV (7.13 l)

Article 6.3 Academic student counselling

The programme offers the following counselling in addition to the student counselling mentioned in Section A: <ul style="list-style-type: none"> ▪ XM_0002 Research Skills and Career Perspectives; ▪ Track coordinators; ▪ Academic Advisor 	Advice OLC; approval FGV (7.13 u)
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7. Further admission requirements

Article 7.1 Intake date(s)

The programme starts twice a year: on September 1 and on February 1. February 1 is only available as start date for students who obtained a Farmaceutische Wetenschappen bachelor degree at the Vrije Universiteit Amsterdam.	Advice OLC; approval FGV (9.38 sub b)
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Article 7.2 Admission requirements

<p>1. Admission to the Master's programme is possible for an applicant who has obtained a Bachelor's degree obtained at an institution of academic higher education, which demonstrates the following knowledge, understanding and skills:</p> <p>A. Applicants will be admitted to the Master's degree programme if they hold a letter of acceptance from the (Admission Committee or) Examination Board, issued by or on behalf of the Faculty Board because the applicant has demonstrated to meet the knowledge, insight and skills requirements of the final level of attainment in an appropriate university Bachelor's degree programme. The criteria concerning knowledge, insight and skills are specified in paragraph 3.</p> <p>B. Examples of appropriate university Bachelor's degree programmes:</p> <ul style="list-style-type: none"> a) a Bachelor's degree in Pharmaceutical Sciences from a Dutch university; b) a Bachelor's degree in Chemistry, provided it meets the prior education requirements, to be assessed by the Examination Board; (any deficiencies will need to be addressed prior to or during the Master's programme); c) a Bachelor's degree in Medical Natural Sciences, provided it meets the prior education requirements, to be assessed by the Examination Board; (any deficiencies will need to be addressed prior to or during the Master's programme); d) a Bachelor's degree from a relevant programme at a university of applied sciences (HBO), provided it meets the prior education requirements, to be assessed by the Examination Board; (any deficiencies will need to be addressed prior to or during the Master's programme); e) a Bachelor's degree in Pharmaceutical Sciences or equivalent from a foreign university, provided it meets the prior education requirements, to be assessed by the Examination Board; (any deficiencies will need to be addressed prior to or during the Master's programme); f) a command of English equivalent to final-examination university entry level (VWO level under the Dutch school system). <p>C. Since the Master's degree programme consists of distinct specializations, the Examination Board will assess whether the applicant meets the applicable requirements for a specialization. Admission to one specialization does not automatically imply admission to other specializations. When a candidate wants to switch, a new assessment will be necessary.</p> <p>D. Those not yet in possession of a Bachelor's degree, but who meet the admission requirements with regard to knowledge, insight and skills specified in paragraph 3, may on request be granted conditional admission to the associated Master's programme, insofar as failure to grant admission would result in undue unfairness.</p> <p>E. The letter of acceptance relates exclusively to the academic year following the academic year in which the application for the letter of acceptance was submitted, unless the Executive Board decides otherwise.</p>	<p>Partly legal provision & ordinance CvB, see appendix 3. Admission requirements excepted from participation in WHW</p>
<p>2. The Admissions Board will investigate whether the applicant meets the admission requirements.</p>	<p>Legal provision</p>

<p>3. In addition to the requirements referred to in the first paragraph, the Admissions Board can also assess requests for admission in terms of (at least two of) the following criteria:</p> <ol style="list-style-type: none"> a. talent and motivation; b. level of relevant knowledge and understanding; c. proficiency in methods and techniques; d. academic attitude and critical thinking; e. proficiency in the language(s) of instruction 	<p>Partly legal provision & ordinance CvB, see appendix 3. Admission requirements excepted from participation in WHW</p>
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Article 7.3 Pre-Master's programme

<p>The programma does not offer a pre-master programme.</p>	<p>Advice OLC; approval FGV (9.38 sub b)</p>
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8. Interim examinations and results

Article 8.1 Sequence of interim examinations

<p>1. Students may participate in interim examinations [or practical exercises] of the components below only if they have passed the interim examination or examinations for the components mentioned hereinafter:</p> <ul style="list-style-type: none"> ▪ A major or minor internship after obtaining 18 EC or more; ▪ A major or minor internship after passing a course specified by the examination board; ▪ A literature thesis after obtaining 18 EC or more. 	<p>Advice OLC; approval FGV (7.13 h, s & t)</p>
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Article 8.2 Validity period for results

1	See Article 3.8 of the Teaching and Examination Regulations, section A. No further specific provisions.	Advice OLC; approval FGV (7.13)
2.	A student may request the Examination Board to extend the validity of an exam. If the exam shows that a student's knowledge is insufficient or outdated, or if the student's skills and insights evaluated in the exam 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

Article 8.3 Maximum Exemption(s)

A maximum of 36 EC of the curriculum can be accumulated through granted exemptions, based on previous results within other master's programmes. This maximum does not apply for EC received at the University of Copenhagen for students participating in the Double Degree programme.	Advice OLC, approval FGV (7.13 par. 2, under r jo art. 9.38 sub b)
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Article 8.4 Degree

Degree Students who have successfully completed their Master's final Examination are awarded a Master of Science degree (MSc). The degree awarded is stated on the diploma.	Legal provision, WHW
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Section B2: Programme specific – content of programme

9. Programme objectives, specializations and exit qualifications

Article 9.1 Workload

1. The programme has a workload 120 EC	Advice OLC; (7.13 a)
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Article 9.2 Specializations

<p>The programme has the following specializations:</p> <ul style="list-style-type: none"> • Drug Discovery and Target Finding • Drug Design and Synthesis • Drug Disposition and Safety Assessment • Computational Medicinal Chemistry and Toxicology • Diagnostics and Imaging <p>Each specialization has to be combined with one of the following profiles</p> <ul style="list-style-type: none"> • Research variant (R-variant) • Society oriented variant for natural and life sciences (S-variant) • Communication variant (C-variant) • Education variant (E-variant) 	Advice OLC; (7.13 a)
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Article 9.3 Programme objective

The programme aims to impart sufficient knowledge, skills and insight within the field of Drug Discovery & Safety, and any related disciplines, to be able to operate as an independent professional at an academic level, and to be a suitable candidate for a subsequent course of study leading to a career in research or development. Another aim of the programme is to develop students' understanding of the relationships between academic disciplines, as well as their sense of social responsibility.	Advice OLC; (7.13 a)
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Article 9.4 Exit qualifications

<p>1. At all events, a graduate of the Master of Science in Drug Discovery & Safety:</p> <ul style="list-style-type: none"> • has a sound theoretical and practical understanding of the modern pharmaceutical sciences (including the requisite knowledge of other disciplines); • has a thorough knowledge of theoretical and experimental methods, as well as research experience in at least one sub-field of pharmaceutical sciences; • is capable, within a reasonable period of time, of becoming conversant in other sub-fields of the discipline; • is capable of formulating a work plan for research within the pharmaceutical sciences, on the basis of a realistic research question; • is capable of analyzing and formulating research results, and of drawing conclusions from them; • is capable of writing a report or an academic paper for publication in an international journal, and of participating in a discussion on a topic related to the field of study in question; • is capable of studying the professional literature (including international publications) in relevant sub-fields, and of making use of the discussions and results found there; 	Approval OLC (7.13 c)
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<ul style="list-style-type: none"> • is capable of applying knowledge of the pharmaceutical sciences within a wider, multidisciplinary context; • is capable of dealing with the safety and environmental aspects of the pharmaceutical sciences; • is capable of taking on posts for which knowledge and research skills in the field of the pharmaceutical sciences are required; • has sufficient knowledge of and insight into the social role of the pharmaceutical sciences to decide on a responsible choice of profession and professional practice; • is capable of cooperating with others, of imparting knowledge to others, and of delivering a lecture both to specialists and to a wider audience. <p>The programme emphasizes:</p> <ul style="list-style-type: none"> • the student's personal development; • promoting the student's sense of social responsibility; • promoting the student's communication skills and academic literacy in Dutch or in English. 	
<p>2. Without prejudice to the provisions of paragraph 1, a graduate of the different variants will have the following knowledge and understanding</p> <p>Research-variant</p> <p>The graduate:</p> <ul style="list-style-type: none"> • is capable of independently designing, conducting and assessing experiments and the associated controls within a given period of time; • is capable of contextualizing the results and conclusions obtained, within the framework of results obtained by others; • is capable of formulating a perspective on the development of scientific research within the field in question; • is capable of quantitatively and qualitatively analyzing chemical processes, of entering the data into existing models (or models yet to be developed), and of presenting the results at various levels of abstraction; • must possess insight into the role of the pharmaceutical sciences in a sustainable society. <p>Communication-variant</p> <p>The graduate can:</p> <ul style="list-style-type: none"> • independently acquire new knowledge of the subject in the area of communication and can apply this in appropriate professional situations; • impart any knowledge and insights obtained, verbally and in writing to wider audiences. <p>Education-variant</p> <p>The graduate can:</p> <ul style="list-style-type: none"> • independently acquire new knowledge of the subject in the area of education, and can apply this in appropriate professional situations; • impart any knowledge and insights obtained, verbally and in writing in appropriate educational settings. 	Approval OLC (7.13 b)

<p>Society oriented-variant</p> <p>The graduate can:</p> <ul style="list-style-type: none"> • develop a perspective on the contributions that scientific knowledge and methods can potentially make to social problems related to the field in question; • distil a research question from this perspective that is geared towards solutions; • implement such questions in the form of targeted research; • interpret and present data obtained from analyses conducted at different scales and different levels of abstraction; • cooperate with others in the context of a multidisciplinary project team. 	
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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 3
2. Additionally the programme can offer: <ul style="list-style-type: none"> - Minor research project; - Electives 	Advice OLC; (7.13 a)
3. Educational components are categorized as specialized (400), research oriented (500) and highly specialized (600) level.	Ordinance CvB, see appendix 3

Article 10.2 Compulsory educational components

A detailed description per educational component can be found in the Study Guide.

Name of educational component	course code	nr of EC	level	Advice OLC (7.13 a)
Deficiency course				
Principles of Pharmaceutical Sc./ PharCH*	X_435675	6	400	
<i>*Obligatory for students who do not have a background in the field of pharmaceutical sciences</i>				
DDTF specialization				
High-Throughput Screening	X_435047	6	500	
Signal Transduction in Health and Disease	X_432535	6	500	
Research skills and career perspectives	XM_0002	0	400	
Drug Action	X_432724	6	400	
<i>DDS Core courses (choose at minimum 2 out of 3*)</i>				
ADMET	X_432721	6	400	
Chemical Biology	X_432538	6	400	
Project Computational Design and Synthesis of Drugs	X_432734	6	400	
<i>*C-, S- and E-variant students taking the deficiency course are allowed to drop 1 additional</i>				
<i>Literature and colloquium DDTF (Compulsory for DDTF R-variant, choose 1 of 2, 12 EC</i>				
Colloquium & Literature Thesis Medicinal Chemistry	XM_0032	12	600	
Colloquium & Literature Thesis Organic Chemistry (Subject: Structural Chemical Biology)	XM_0034	12	600	
<i>Literature and colloquium DDTF (Compulsory for DDTF C, E or S-variant, choose 1 of 2, 6 EC required)</i>				
Colloquium & Literature Thesis Medicinal Chemistry	XM_0018	6	600	

Colloquium & Literature Thesis Organic Chemistry (<i>Structural Chemical Biology thesis</i>) (C,E,S)	XM_0020	6	600
<i>Research project DDTF (Compulsory for DDTF C-, E- or S-variant, choose 1 of 2, 24 EC)</i>			
Major research project Medicinal Chemistry (C,E,S)	XM_0025	24-36	600
Major research project Organic Chemistry (<i>Structural Chemical Biology project</i>) (C,E,S)	XM_0027	24-36	600
<i>Research project DDTF (Compulsory for DDTF R-variant, choose 1 of 2, 42 EC required)</i>			
Major Research Project Medicinal Chemistry	XM_0039	42-60	600
Major Research Project Organic Chemistry (<i>Structural Chemical Biology project</i>)	XM_0041	42-60	600
DDSA specialization			
Drug-induced Stress and Cellular Response	X_432536	6	500
Advanced Course on DDSA	X_435681	6	500
Research skills and career perspectives	XM_0002	0	400
<i>DDS Core courses (choose at minimum 3 out of 4*)</i>			
ADMET	X_432721	6	400
Chemical Biology	X_432538	6	400
Drug Action	X_432724	6	400
Project Computational Design and Synthesis of Drugs	X_432734	6	400
<i>*C-, S- and E-variant students taking the deficiency course are allowed to drop 1 additional</i>			
<i>Literature and colloquium DDSA (Compulsory for DDSAR-variant, 12 EC required)</i>			
Colloquium & Literature Thesis Molecular & Computational Toxicology	XM_0033	12	600
<i>Literature and colloquium DDSA (Compulsory for DDSA C-, E- or S-variant, 6 EC required)</i>			
Colloquium & Literature Thesis Molecular & Computational Toxicology (C,E,S)	XM_0019	6	600
<i>Research project DDSA (Compulsory for DDSA C-, E- or S-variant, 24 EC required)</i>			
Major research project Molecular & Computational Toxicology (C,E,S)	XM_0026	24-36	600
<i>Research project DDSA (Compulsory for DDSA R-variant, 42 EC required)</i>			
Major Research Project Molecular & Computational Toxicology	XM_0040	42-60	600
CMCT specialization			
Comp.-Aided Drug Design and Virtual Scr.	X_432673	6	400
Biomolecular Simulation in MC&T	X_432664	6	400
Project Computational Design and Synthesis of Drugs	X_432734	6	400
Research skills and career perspectives	XM_0002	0	400
<i>DDS Core courses (choose at minimum 2 out of 3)*</i>			
ADMET	X_432721	6	400

Chemical Biology	X_432538	6	400
Drug Action	X_432724	6	400
<i>*C-, S- and E-variant students taking the deficiency course are allowed to drop 1 additional</i>			
<i>Literature and colloquium CMCT (Compulsory for CMCT R-variant, choose 1 of 3, 12 EC)</i>			
Colloquium & Literature Thesis Molecular & Computational Toxicology	XM_0033	12	600
Colloquium & Literature Thesis Medicinal Chemistry	XM_0032	12	600
Colloquium & Literature Thesis Theoretical Chemistry	XM_0036	12	600
<i>Literature and colloquium CMCT (Compulsory for CMCT C, E or S, choose 1 of 3, 6 EC)</i>			
Colloquium & Literature Thesis Molecular & Computational Toxicology (C,E,S)	XM_0019	6	600
Colloquium & Literature Thesis Medicinal Chemistry	XM_0018	6	600
Colloquium & Literature Thesis Theoretical Chemistry	XM_0022	6	600
<i>Research project CMCT (Compulsory for CMCT C-, E- or S-variant, choose 1 of 3, 24 EC)</i>			
Major research project Molecular & Computational Toxicology (C,E,S)	XM_0026	24-36	600
Major research project Medicinal Chemistry (C,E,S)	XM_0025	24-36	600
Major research project Theoretical Chemistry (C,E,S)	XM_0029	24-36	600
<i>Research project CMCT (Compulsory for CMCT RS-variant, choose 1 of 3, 42 EC required)</i>			
Major Research Project Molecular & Computational Toxicology	XM_0040	42-60	600
Major Research Project Medicinal Chemistry	XM_0039	42-60	600
Major Research Project Theoretical Chemistry	XM_0043	42-60	600
DD&S specialization			
Physical-Organic Chemistry	X_435663	6	400
Synthetic Approaches in Medicinal Chemistry	X_435685	6	500
Research skills and career perspectives	XM_0002	0	400
<i>DDS Core courses (choose at minimum 3 out of 4)*</i>			
ADMET	X_432721	6	400
Chemical Biology	X_432538	6	400
Drug Action	X_432724	6	400
Project Computational Design and Synthesis of Drugs	X_432734	6	400
<i>*C-, S- and E-variant students taking the deficiency course are allowed to drop 1 additional</i>			
<i>Literature and colloquium DD&S (Compulsory for DD&S R-variant, choose 1 of 4, 12 EC)</i>			
Colloquium & Literature Thesis Medicinal Chemistry	XM_0032	12	600
Colloquium & Literature Thesis Organic Chemistry	XM_0034	12	600
Colloquium & Literature Thesis Radiopharmaceutical Chemistry	XM_0035	12	600
Colloquium & Literature Thesis Molecular & Computational Toxicology	XM_0033	12	600
<i>Literature and colloquium DD&S (Compulsory for DD&S C, E or S-variant, choose 1 of 4, 6</i>			

Colloquium & Literature Thesis Medicinal Chemistry	XM_0018	6	600
Colloquium & Literature Thesis Molecular & Computational Toxicology (C,E,S)	XM_0019	6	600
Colloquium & Literature Thesis Organic Chemistry	XM_0021	6	600
Colloquium & Literature Thesis Radiopharmaceutical Chemistry (C,E,S)	XM_0022	6	600
<i>Research project DD&S (Compulsory for DD&S C-, E- or S-variant, choose 1 of 4, 24 EC)</i>			
Major research project Medicinal Chemistry (C,E,S)	XM_0025	24-36	600
Major research project Molecular & Computational Toxicology (C,E,S)	XM_0026	24-36	600
Major Research project Organic Chemistry (C,E,S)	XM_0027	24-36	600
Major Research project Radiopharmaceutical Chemistry (C,E,S)	XM_0028	24-36	600
<i>Research project DD&S (Compulsory for DD&S R-variant, choose 1 of 4, 42 EC required)</i>			
Major Research Project Medicinal Chemistry	XM_0039	42-60	600
Major Research Project Molecular & Computational Toxicology	XM_0040	42-60	600
Major Research Project Organic Chemistry	XM_0041	42-60	600
Major Research Project Radiopharmaceutical Chemistry	XM_0042	42-60	600
Diagnostics and Imaging specialization			
Advanced Analytical Sciences in Drug-Related and Clinical Environments	XM_0068	6	400
Chemical Biology	X_432538	6	400
Research skills and career perspectives	XM_0002	0	400
<i>DDS Core courses (choose at minimum 2 out of 3)*</i>			
ADMET	X_432721	6	400
Drug Action	X_432724	6	400
Project Computational Design and Synthesis of Drugs	X_432734	6	400
<i>*C-, S- and E-variant students taking the deficiency course are allowed to drop 1 additional</i>			
<i>Choice of at minimum 2 out of 5 subjects depending on the Major Project (to be discussed with the master coordinator)</i>			
Translational Radiopharmaceutical Sciences	XM_0067	6	400
High-Throughput Screening	X_435047	6	500
Advanced Radiopharmaceutical Sc	XM_0069	6	600
Protein Analysis	X_435045	6	500
Mass Spectrometry	X_435604	6	400
<i>Literature and colloquium D&I (Compulsory for D&I R-variant, choose 1 of 2, 12 EC)</i>			
Colloquium & Literature Thesis Bioanalytical	XM_0030	12	600
Colloquium & Literature Thesis Environmental Bioanalysis	XM_0031	12	600
Colloquium & Literature Thesis Radiopharmaceutical Chemistry	XM_0035	12	600
<i>Literature and colloquium D&I (Compulsory for D&I C, E or S-variant, choose 1 of 2, 6 EC)</i>			
Colloquium & Literature Thesis Bioanalytical	XM_0016	6	600

Colloquium & Literature Thesis Environmental Bioanalysis (C,E,S)	XM_0017	6	600
Colloquium & Literature Thesis Radiopharmaceutical Chemistry (C,E,S)	XM_0022	6	600
<i>Research project D&I (Compulsory for D&I R-variant, choose 1 of 4, 42 EC required)</i>			
Major Research Project Bioanalytical Chemistry	XM_0037	42-60	600
Major Research Project Radiopharmaceutical Chemistry	XM_0042	42-60	600
Major Research Project Environmental Bioanalysis	XM_0038	42-60	600
<i>Research project D&I (Compulsory for D&I C-, E- or S-variant, choose 1 of 4, 24 EC)</i>			
Major research project Bioanalytical Chemistry (C,E,S)	XM_0023	24-36	600
Major Research project Radiopharmaceutical Chemistry (C,E,S)	XM_0028	24-36	600
Major research project Environmental Bioanalysis (C,E,S)	XM_0024	24-36	600
Additional compulsory Research variant courses			
<i>Ethics and academic skills (6 EC required)</i>			
Ethics and Academic Skills	XM_432517	3	400
Ethics and Academic Skills	XM_437556	6	400
Teaching Assistant	XM_432741	3	400
Teaching Assistant	XM_432742	6	400
Managing science and technology	AM_470586	6	600
Research methods for analyzing problems	AM_1182	6	400
Science and Communication	AM_470587	6	500
Societal entrepreneurship H&L sciences	AM_470575	6	500
Business management	AM_470584	6	500
Communication, Org. and Management	AM_470572	6	500
Science in Dialogue	AM_1002	6	500
Science Journalism	AM_471014	6	500
Tutoring Students	X_432625	3	400
Scientific Writing in English	X_400592	3	400
Clinical Development and Clinical Trials	AM_1180	3	500
Epidemiology	AM_1179	3	500
Ethics in life sciences	AM_470707	3	400
Replacement Refinement and Reduction	XM_006	6	400
Additional compulsory Societal variant courses			
Internship Science in Society	AM_1185	30	600
Analysis of Governmental Policy	AM_470571	6	500
Research methods for analyzing problems	AM_1182	6	400
Communication, Org. and Management	AM_470572	6	500
Additional compulsory Communication variant courses			
Research methods for analyzing problems	AM_1182	6	400
Science and Communication	AM_470587	6	500
<i>Internship communication: compulsory for Communication variant, choose one (30 EC)</i>			

Reflective Practice Int. SC. Comm.	AM_1163	30	600
Research Internship Science Comm.	AM_1162	30	600
Additional compulsory Education variant courses			
Peergroup 1	O_MLPEERGR_1	0	400
Didactiek 1	O_MLDIDAC_1 or _MFDIDAC_1	6	400
Praktijk 1	O_MLPRAK_1or O_MFPRAK_1	6	400
Praktijkonderzoek 1	O_MLPROZ_1 or O_MFPROZ_1	3	400
Didactiek 2	O_MLDIDAC_2 or O_MFDIDAC_2	6	400
Praktijk 2	O_MLPRAK_2 or _MFPRAK_2	9	400
Didactiek 3	O_MFDIDAC_3 or O_MLDIDAC_3	9	400
Praktijk 3	O_MFPRAK_3 or O_MLPRAK_3	15	400
Praktijkonderzoek 2	O_MFPROZ_2 or O_MLPROZ_2	6	400
Peergroup 2	O_MLPEERGR_2	0	400

Article 10.3 Elective educational components

1. The student can take one or more of the following electives without prior consent from the Examination Board:				Advice OLC; (7.13 a)
Recommended choice (Communication variant)				
Communication, Org. and Management	AM_470572	6	500	
Science in Dialogue	AM_1002	6	500	
Science Journalism	AM_471014	6	500	
Science Museology	AM_470590	6	500	
Recommended choice (Societal variant)				
Societal entrepreneurship H&L sciences	AM_470575	6	500	
Business management	AM_470584	6	500	
Policy, Politics and Participation	AM_470589	6	500	
Clinical Development and Clinical Trials	AM_1180	3	500	
Epidemiology	AM_1179	3	500	
Recommended optional courses DDTF				
Concepts in Chemical Biology	XM_0080	6	400	
Supramolecular Chemistry and Nanomat.	XMU_435653	6	400	
Computer-Aided Drug Design and Virtual Screening	X_432673	6	400	
Drug-induced Stress and Cellular Response	X_432536	6	500	
Mass Spectrometry	X_435604	6	400	
Advanced Computational Chemistry	XMU_0014	6	500	
Molecular Computational Chemistry	X_435666	6	400	
Protein Analysis	X_435045	6	500	
Advanced Course on DDSA	X_435681	6	500	
Biomolecular Simulation in Medicinal Chemistry & Toxicology	X_432664	6	400	

Applied Theoretical Chemistry	XM_432501	12	500
Minor Research Project Bioanalytical Chemistry	XM_0044	18-36	500
Minor Research Project Environmental Bioanalysis	XM_0045	18-36	500
Minor Research Project Medicinal Chemistry	XM_0046	18-36	500
Minor Research Project Molecular & Computational Toxicology	XM_0047	18-36	500
Minor Research Project Organic Chemistry	XM_0048	18-36	500
Minor Research Project Radiopharmaceutical Chemistry	XM_0049	18-36	500
Minor Research Project Theoretical Chemistry	XM_0050	18-36	500
Recommended optional courses DDSA			
Concepts in chemical biology	XM_0080	6	400
Supramolecular Chemistry and Nanomat.	XMU_435653	6	400
Computer-Aided Drug Design and Virtual Screening	X_432673	6	400
Signal Transduction in Health and Disease	X_432535	6	500
Advanced Computational Chemistry	XMU_0014	6	500
Molecular Computational Chemistry	X_435666	6	400
Biomolecular Simulation in Medicinal Chemistry & Toxicology	X_432664	6	400
Applied Theoretical Chemistry	XM_432501	12	500
Minor Research Project Bioanalytical Chemistry	XM_0044	18-36	500
Minor Research Project Environmental Bioanalysis	XM_0045	18-36	500
Minor Research Project Medicinal Chemistry	XM_0046	18-36	500
Minor Research Project Molecular & Computational Toxicology	XM_0047	18-36	500
Minor Research Project Organic Chemistry	XM_0048	18-36	500
Minor Research Project Radiopharmaceutical Chemistry	XM_0049	18-36	500
Minor Research Project Theoretical Chemistry	XM_0050	18-36	500
Recommended optional courses CMCT			
Concepts in chemical biology	XM_0080	6	400
Supramolecular Chemistry and Nanomat.	XMU_435653	6	400
Drug-induced Stress and Cellular Response	X_432536	6	500
Signal Transduction in Health and Disease	X_432535	6	500
Advanced Computational Chemistry	XMU_0014	6	500
Advanced Molecular Orbital Theory	XMU_0028	6	500
Molecular Computational Chemistry	X_435666	6	400
Applied Theoretical Chemistry	XM_432501	12	500
Density Functional Theory for Chemists	XM_435112	12	500
Minor Research Project Bioanalytical Chemistry	XM_0044	18-36	500
Minor Research Project Environmental Bioanalysis	XM_0045	18-36	500
Minor Research Project Medicinal Chemistry	XM_0046	18-36	500
Minor Research Project Molecular & Computational Toxicology	XM_0047	18-36	500
Minor Research Project Organic Chemistry	XM_0048	18-36	500
Minor Research Project Radiopharmaceutical Chemistry	XM_0049	18-36	500
Minor Research Project Theoretical Chemistry	XM_0050	18-36	500
Recommended optional courses DD&S			
Concepts in chemical biology	XM_0080	6	400

Computer-Aided Drug Design and Virtual Screening	X_432673	6	400
Drug-induced Stress and Cellular Response	X_432536	6	500
Signal Transduction in Health and Disease	X_432535	6	500
Molecular Computational Chemistry	X_435666	6	400
Biomolecular Simulation in Medicinal Chemistry & Toxicology	X_432664	6	400
Minor Research Project Bioanalytical Chemistry	XM_0044	18-36	500
Minor Research Project Environmental Bioanalysis	XM_0045	18-36	500
Minor Research Project Medicinal Chemistry	XM_0046	18-36	500
Minor Research Project Molecular & Computational Toxicology	XM_0047	18-36	500
Minor Research Project Organic Chemistry	XM_0048	18-36	500
Minor Research Project Radiopharmaceutical Chemistry	XM_0049	18-36	500
Minor Research Project Theoretical Chemistry	XM_0050	18-36	500
Translational Radiopharmaceutical Sciences	XM_0067	6	400
Advanced Radiopharmaceutical Sc	XM_0069	6	600
Recommended optional courses D&I			
Concepts in chemical biology	XM_0080	6	400
Minor Research Project Bioanalytical Chemistry	XM_0044	18-36	500
Minor Research Project Environmental Bioanalysis	XM_0045	18-36	500
Minor Research Project Medicinal Chemistry	XM_0046	18-36	500
Minor Research Project Molecular & Computational Toxicology	XM_0047	18-36	500
Minor Research Project Organic Chemistry	XM_0048	18-36	500
Minor Research Project Radiopharmaceutical Chemistry	XM_0049	18-36	500
Minor Research Project Theoretical Chemistry	XM_0050	18-36	500
Computer-Aided Drug Design and Virtual Screening	X_432673	6	400
Drug-induced Stress and Cellular Response	X_432536	6	500
Signal Transduction in Health and Disease	X_432535	6	500
Molecular Computational Chemistry	X_435666	6	400
Biomolecular Simulation in Medicinal Chemistry & Toxicology	X_432664	6	400
High-Throughput Screening	X_435047	6	500
Mass Spectrometry	X_435604	6	400
Protein Analysis	X_435045	6	500
Translational Radiopharmaceutical Sciences	XM_0067	6	400
Advanced Radiopharmaceutical Sciences	XM_0069	6	600
2. If the student wishes to take a different educational component than listed, advance permission must be obtained in writing from the Examinations Board.			Advice OLC(7.13 a);

Article 10.4 Participation in practical training and tutorials

1. In the case of a practical training or tutorial, the student must attend at least 100 % of the practical sessions. Should the student attend less than 100 %, he or she must repeat the practical training, or the course coordinator or Examinations Board may have one or more supplementary assignments issued.	Approval OLC (7.13 d)
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11. Evaluation and transitional provisions

Article 11.1 Evaluation of the education

The education provided in this programme is evaluated in accordance with the (attached) evaluation plan. The faculty evaluation plan offers the framework.	Approval OLC (7.13 a1)
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Article 11.2 Transitional provisions

<p>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:</p> <p>For students who started before 2019-2020 and did not pass Bio-analysis and clinical diagnostics (X_432765) the following replacement course applies:</p> <ul style="list-style-type: none"> - Bio-analysis and clinical diagnostics (X_432765) is replaced by Advanced Analytical Sciences in Drug-Related and Clinical Environments (XM_0068). - Students who already passed Bio-analysis and clinical diagnostics (X_432765) are not allowed to take Advanced Analytical Sciences in Drug-Related and Clinical Environments (XM_0068). 	Advice OLC (7.13 a)
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Advice and approval by the Programme Committee of M Drug Discovery and Safety, on 21 March 2019

Approved by the Faculty Joint Assembly, on 3 September 2019.

Adopted by the board of the Faculty of Science on 30 August 2019.

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

Based on Section 7.13, paragraph 2, of the WHW and other Sections of the Act.

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 2
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, specializations and exit qualifications	
Article 9.1 Workload	7.13 paragraph 2 sub g
Article 9.2 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
10. Curriculum structure	
Article 10.1 Composition of the programme	7.13 paragraph 2 sub a
Article 10.2 Compulsory educational components	7.13 paragraph 2 sub a
[Optional] Article 10.3 Elective educational components	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 a l
Article 11.2 Transitional provisions	7.13 paragraph 2 sub a

Appendix II Overview of rights to prior consultation (advice) and rights to approve OLC and FGV (Dutch only)

Onderwerpen Onderwijs – en Examenregeling (OER) 7.13 paragraph 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 (<i>excellentietraject binnen een opleiding</i>)				
x. de feitelijke vormgeving van het onderwijs				
<i>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.</i>				

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

Appendix III Ordinances VU CvB and Binding Guidelines (richtlijn)

Section B1, article:	Concerns:	CvB ordinance / guideline
7.2.1	Admission criteria; at least WO Bachelor's degree	Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017
7.2.3	Additional admission 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 components	Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017