

MASTER's Degree Programme in Oncology

CROHO 60811

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Academic year 2015-2016

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Section A: faculty section

1. General provisions

Article 1.1 Applicability of the Regulations

1. These Regulations apply to the teaching and examinations for the Master's degree programmes. (hereinafter referred to as: the degree programme) provided by the Faculty of VUmc School of medical sciences (hereinafter referred to as: the faculty).
2. These Regulations consist of a faculty section (A) and a programme-specific section (B). Section A contains general provisions and applies to the teaching and examinations of the Master's degree programmes of the faculty. Section B contains programme-specific provisions. Together, Sections A and B form the Teaching and Examination Regulations for the programme.
3. The Regulations can be declared to apply *mutatis mutandis* to the joint degree programmes and units of study, pursuant to Section 7.3c of the WHW, also provided by the faculty.
4. These Regulations apply to anyone enrolled in the programme, irrespective of the academic year in which the student was first enrolled in the programme.
5. Section B of these Teaching and Examination Regulations may contain additional general provisions for the relevant degree programme.

Article 1.2 Definitions

The following definitions are used in these Regulations:

- a. EC (European Credit) an credit with a workload of 28 hours of study;
- b. examination: the final examination of the Master's programme;
- c. fraud and plagiarism: the student's acts or failures to act which make it wholly or partially impossible to accurately judge his/her knowledge, understanding and skills;
- d. 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 degree programme (a degree programme, a major or a specific curriculum within a degree programme) for which the collaborating institutions are jointly responsible;
- e. master year programmed year of the degree expressed in first master year, second master year and third master year.
- f. component: a unit of study of the programme within the meaning of the WHW article 7,3;
- g. period: a part of a semester;
- h. practical exercise: the participation in a practical training or other educational learning activity, aimed at acquiring certain (academic) skills. Examples of practical exercises are:
 - o researching and writing a thesis
 - 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
 - o or participating in and completing a work placement
- i. programme: the totality and cohesion of the course components, teaching activities/methods, contact hours, testing and examination methods and recommended literature;
- j. thesis: a component comprising literature research and/or a contribution to scientific research, always resulting in a written report;
- k. VU-net: the Student Information System for the master programmes medicine, cardiovascular research and oncology;
CurSys: The student information system for the students of the postgraduate master programme epidemiology
- l. course catalogue: the guide for the degree programme that provides further details of the provisions and other information specific to that programme. The course catalogue is available electronically at

<http://www.vu.nl/en/study-guide/index.asp> or at www.epidem.nl for the Postgraduate Master degree programme in Epidemiology

- m. workload: the workload of the unit of study to which an interim examination applies, expressed in terms of credits = EC. (The workload for 1 fulltime year (1,680 hours) is 60 EC credits;
- n. academic year: the period beginning on 1 September and ending on 31 August of the following calendar year;
- o. 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 examination may consist of one or more partial examinations. A resit always covers the same material as the original interim examination;
- p. Admissions Board the committee that assesses, on behalf of the dean, whether a candidate meets the requirements for admission to the Master's degree programme of his/her choice.
- q. University: the University of Amsterdam
- r. WHW: the Dutch Higher Education and Research Act (*Wet op het hoger onderwijs en wetenschappelijk onderzoek*, WHW);

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

2. Previous education and admission

Article 2.1 Previous education

1. In order to qualify for enrolment in a Master's degree programme, a Bachelor's degree obtained in academic higher education (WO) is required. The requirements that the Bachelor's degree must meet are specified in Section B.
 2. In the event that a candidate does not have a Bachelor's degree as referred to in paragraph 1, the Admissions Board of the degree programme will assess suitability for admission to the programme on the basis of the requirements stipulated in Section B.
- 2a for the postgraduate master programme epidemiology paragraph 1 and 2 do not apply. Education requirements are mentioned in part B of the AER.

Article 2.2 Registration and enrolment

1. The deadline for registering for the Master's programme is stipulated in Article 3.4 (Section B).
 2. After registering on time, the student must enrol before 1 September.
- 2a For the Master degree programme in medicine in addition to paragraph 2 students that register for the first year of the master programme need to register before the first of the month in which the student starts with his/her programme. In subsequent years the students need to comply with paragraph 2.

Article 2.3 Faculty Admissions Board

The dean will establish one or more Admissions Boards. The dean will appoint its members after consultation with the programme directors and examinations boards of the relevant degree programmes.

Article 2.4 Admissions procedure

1. The Admissions Board is responsible for admission to the programme.
2. With a view to admission to the programme, the Admissions Board assesses the candidate's knowledge, understanding and skills. The Board may request experts within or outside the University to test certain types of knowledge, understanding and skills, in order to supplement written evidence of the programme/programmes the student has already completed. In its assessment, the Board includes knowledge of the language in which the programme will be taught.
3. Candidates receive either confirmation of admission or a negative decision. An appeal against a negative decision can be lodged with the Examination Appeals Board within six weeks.

Article 2.5 Refusal or termination of enrolment (*unsuitability/judicium abeundi*)

1. Based on the provisions of Section 7.42a of the WHW, the dean or the Examinations Board may, in exceptional cases, ask the Executive Board to terminate or refuse a student's enrolment in a programme, if that student's actions or remarks show that he/she is unsuitable either for practising one or more of the professions for which the programme in question is preparing the student or for the practical preparation for professional practice.
2. If a student is suspected of being unsuitable as described in paragraph 1, the Examinations Board or the dean will institute an inquiry, of which the student will be informed immediately. The Examinations Board or the dean will not issue any recommendation without carefully considering the interests involved and giving the student the opportunity to be heard.

3. Degree programme structure

Article 3.1 Structure of academic year

1. Every degree programme will be offered in a year divided into two semesters.
2. Every semester consists of three consecutive periods of eight, eight and four weeks.
- 2a. For the Postgraduate degree programme in epidemiology and the Master degree programme in medicine paragraph 1 and 2 do not apply. The structure of the programme is described in part B of the AER.

Article 3.2 Organisation of the programme

1. The programme comprises the units of study included in Section B.
2. The size of the degree programme in EC is stipulated in Section B.
3. A unit of study comprises 6 EC or a multiple thereof.
4. By way of exception to paragraph 3, Section B may stipulate that a unit of study comprises 3 EC. The number of educational units comprising of 3 EC has a maximum of 18 EC.
- 4a. for the following programmes/ or parts of programmes article 3.2.3 and 3.2.4 do not apply:
 - o Postgraduate master programme epidemiology
 - o Third master year of the master degree programme in medicine programme edition 2015
 - o The master degree programme in medicine edition 2008
5. The programme is made up of compulsory part and an individual Master's thesis or academic work placement and, if applicable, a subject-specific optional component as specified in more detail in the programme-specific section.
6. If the student wishes to choose a different unit of study than those stipulated in Section B as part of his/her electives, prior permission is required from the Examinations Board.
7. If students must sign up for participation in a unit of study, this will only be possible in the periods designated for that purpose.

4. Examinations

Article 4.1 Signing up for examinations

1. Every student must sign up for every examination opportunity. The procedure for signing up is described on the website of the school of medical sciences. www.med.vu.nl .
2. By way of exception to the provisions of paragraph 1, any student who has correctly signed up for participation in the instruction/classes for a particular course and has been admitted will also be signed up for the subsequent examination, unless the degree programme stipulates a different approach.

Article 4.2 Type of examination

1. Section B stipulates the way in which a unit of study is concluded and the form any examination will take.
2. At the student's request, the Examinations Board may permit a different form of examination than that stipulated in the course catalogue. If applicable, more detailed regulations on this are included in the Rules and Guidelines for the Examinations Board.
3. In the case of a unit of study that is no longer offered, in the academic year following its termination, at least one opportunity will be provided to sit the examination(s) or parts thereof and a transitional arrangement will be included in the programme-specific section for the subsequent period.

Article 4.3 Oral examinations

1. Unless otherwise specified for the relevant unit of study in Section B, no more than one student will be examined orally at the same time.
2. An oral examination is public unless the Examinations Board or examiner determines otherwise in an exceptional case. A student may submit a reasoned request to the Examinations Board to depart from the public nature of the oral examination. The Examinations Board will balance the interests of the student against the interests of a public examination.
3. Unless otherwise specified by the Examinations Board, an oral examination will be taken in the presence of a second examiner.
- 3.a For the master programme in medicine additional requirements are in place to paragraph 1, 2 and 3, additional requirements are described in part B of the AER.

Article 4.4 Determining and announcing results

1. The examiner determines the result (= mark) of a written examination as soon as possible, but at the latest within ten working days. Contrary to the provisions of the first sentence, 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.
 - 1a for the master programme in medicine an exception is made on article 4.4.1 for the national progression test (VGT) the results will be determined after 25 working days.
2. The examiner determines the result (= mark) of an oral examination as soon as the examination has finished and informs the student accordingly. The third sentence of the first paragraph applies.
3. In the case of alternative forms of oral or written examinations, the Examinations Board determines in advance how and by what deadline the student will be informed of the results.
4. 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 Articles 4.9 and 4.10, as well as his/her option to appeal to the Examinations Appeals Board (Cobex).
5. A student may lodge an appeal against the way in which the result was reached with the Examination Appeals Board within six weeks of the announcement of the result.

Article 4.5 Resits

1. An opportunity will be offered to resit examinations in the degree programme once in each academic year.
2. Paragraph 1 does not apply in the case of a fail for a work placement or a thesis. The options for retaking work placements and theses are detailed in the relevant work placement manual or thesis regulations.
3. The most recent mark will apply in the event of a resit.
4. The resit for an examination must not take place within ten working days of the announcement of the result of the examination being resat.
5. A resit is not possible once an internship, practical training or literature study has been passed.

Article 4.6 Marks

1. Marks are given on a scale from 1 to 10.
2. Marks are given with 0 or 5 after the point.
3. Marks between 5 and 6 will be rounded: 0,1 to 0,4 will be rounded down and 0,5 to 0,9 will be levelled up.

Article 4.7 Exemption

1. At the written request of the student, the Examinations Board may exempt the student from taking one or more examination components, if the student:
 - a) has passed a course component of a university or higher professional education programme that is equivalent in both content and level; or
 - 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.
2. The Examinations Board will make a decision within twenty working days of receiving the written request.
 3. This exemption does not apply to the Master's thesis. For more information see part B

Article 4.8 Validity period for results

1. The validity period of examinations passed and examination exemptions specified in Section B.
2. The validity period of a an interim examination is limited to the academic year in which it was sat or until the end of the course concerned, or different as stipulated for the relevant units of study in Section B.
3. The Examinations Board can extend the limited validity period of an examination or exemption if a student submits a reasoned request to that effect. The Examinations Board can decide to permit the extension of the validity only after the individual making the request has successfully completed a supplementary examination on the relevant subject matter.

Article 4.9 Right of inspection

1. For at least twenty working days after the announcement of the results of a written examination, the student can, on request, inspect his/her assessed work, the questions and assignments set, as well as the standards applied for marking.
2. The Examinations Board can determine that the inspection or post-examination discussion referred to in paragraph 1 take place exclusively at a specified place and at a specified time. The place and time referred to in the previous clause will be announced at the time of the examination and on the faculty website.
3. If the student was unable to attend at the place and time referred to in paragraph 2 through no fault of his/her own, an alternative option will be offered.
4. If a student intends to appeal against the way in which his/her mark was assessed, he/she can be issued with a copy of the marked work at his/her request.

Article 4.10 Post-examination discussion

1. If a collective post-examination discussion has been organised, individual post-examination discussions will be held only if the student has attended the collective discussion or if he/she was unable to attend the collective discussion through no fault of his/her own.
2. Students who meet the requirements stipulated in the first paragraph can submit a request for an individual post-examination discussion to the relevant examiner. The discussion will take place at a time and location to be determined by the examiner.

Article 4.11 Master's final examination

1. The Examinations Board determines the final examination result and the date on which the student obtains his/her degree after it has been established that the student has passed all the units of study belonging to the programme.
2. A diploma can only be awarded after the Executive Board has declared that the student has satisfied all the procedural requirements, including the payment of tuition fees.

Article 4.12 Diplomas and transcripts

1. The Examinations Board grants a diploma as proof that the student has passed his/her final examination. The Executive Board sets the model for the diploma. The Examinations Board adds a diploma supplement to the diploma providing information on the nature and content of the degree programme completed. The diploma supplement is drawn up in Dutch or English and complies with the European format.
2. Individuals who have successfully completed more than one or more components of the programme and who cannot be awarded a diploma as stipulated in paragraph 1 will, on request, receive a statement to be issued by the relevant Examinations Board stating at least the components that have been successfully completed together with the units of study they involved, the number of EC obtained and the way in which the examinations were taken.
3. The student can, without needing to provide reasons, request that the Examinations Board not proceed to award a diploma, unless the student him-/herself submitted the request for its issue.

Article 4.13 Fraud and plagiarism

1. The provisions of the (VU) Rules and Guidelines for the Examinations Board] apply in full.
2. Electronic detection software programs may be used to detect plagiarism in texts. In submitting a text, the student implicitly consents to the text being entered into the database of the detection program concerned.

5. Study supervision and study progress

Article 5.1 Administration of study progress and academic student counselling

1. The dean is responsible for the correct registration of the students' study results in SAP/SLcM. After the assessment of an examination component has been registered, every student has the right to inspect the result for that component via VUnet.
- 1a For the Postgraduate master degree Epidemiology the registration takes place in CurSys
2. Enrolled students are eligible for academic student counselling as described in the faculty study guidance document.

Article 5.2 Adaptations for students with a disability

1. Students with a disability may qualify for special adaptations to the teaching provided, examinations and practicals, based on a digital uploaded request submitted for that purpose to the study advisor. These adaptations will be tailored as far as possible to the individual disability of the student, but are not permitted to affect the quality or level of difficulty of a subject or examination.
2. The request referred to in paragraph 1 must be accompanied by a recent statement from a doctor or psychologist. In the case of dyslexia, no recommendation from a student counsellor is required and a recent statement from a BIG, NIP or NVO accredited testing centre will suffice. Where possible, the statement referred to in this paragraph should include an estimation of the extent to which study progress will be hindered.
3. With regard to requests for adaptations to the educational programme and -logistics, decisions will be made by the Dean or the Director of Education acting on the Dean's behalf. For the Master Programme in Medicine the committee *individual adaptation master programme* decides on behalf of the Director of education. The Examination Board will decide on any requests for adaptations relating to the process of examination.
4. If a positive decision is made in response to a request as referred to in paragraph 1, the student will make an appointment with the study advisor to discuss how the necessary adaptations can be facilitated. For Dyslexia additional time for interim examinations can be organised digitally by the student advisors in SAP/SLM or Cursys depending on the electronic system used by the degree programme.
5. A request for adaptation may be declined if granting it would constitute a disproportionately large drain on the organizational resources of the faculty or university.
6. All approved adaptations and arrangements provided for the student's disability are recorded in SAP/SLM or CurSys at the therefor appropriate location. The student will receive notification of the record by email. For central facilities (like rest rooms) the student advisor instructs the Faculty Campus Organization (FCO) to realize approved measures for the student. The FCO is responsible for the proper arrangement and communication of the approved measure to the student.
7. In case of disability extending the period of study the arrangements will be in place for the whole period that the student follows the degree programme. In case of temporary disability the period that the arrangements are in place will be determined by the student advisor. The period will be recorded in SAP /SLM and if appropriate communicated to FCO.

6. Hardship clause

Article 6.1 Hardship clause

In instances not regulated by the Teaching and Examination Regulations or in the event of demonstrable extreme unreasonableness and unfairness, the dean responsible for the degree programme will decide, unless the matter concerned is the responsibility of the Examinations Board.

7. Transitional and final provisions

Article 7.1 Amendments and periodic review part A

1. Any amendment to Part A of the Teaching and Examination Regulations will be adopted by the dean after taking advice from the relevant Board of Studies. A copy of the advice will be sent to the authorised representative advisory body.
2. An amendment to the Teaching and Examination Regulations requires the approval of the authorised representative advisory body if it concerns components not related to the subjects of Section 7.13, paragraph 2 sub a to g and v, as well as paragraph 4 of the WHW and the requirements for admission to the Master's programme.
3. An amendment to the Teaching and Examination Regulations can only pertain to an academic year that is already in progress if this does not demonstrably damage the interests of students.

Section B: Programme-specific section

1. General provisions

Article 1.1 Definitions

For definitions see part A of the AER article 1.2.

Article 1.2 Degree programme information

1. The programme Master Oncology CROHO number 60811 is offered on a full-time, basis and the language of instruction is English.
2. The programme has a workload of 120 EC.
3. An educational unit comprises 3 credits or a multiple thereof. In the programme-specific section each educational unit is given a number to indicate its level: specialized (400), scientifically oriented (500) and highly specialized (600).

Article 1.3 Intake dates

The programme is offered starting in the first semester of the academic year only.
(1 September)

2. Programme objectives and exit qualifications

Article 2.1 Programme objective

The programme aims:

- a) To prepare the student to practice as an independent professional within the field of Oncology.
- b) To teach the student specialized knowledge, skills and understanding in the field of Oncology and to be a suitable candidate for a subsequent course of study leading to a career in research.
- c) To prepare the student for academic work in the field of Oncology.

The programme's objectives are as follows:

- a) awareness of the ethical aspects of medical research;
- b) independent academic thought processes and performance;
- c) communicating at an academic level in the student's own language or/and English;
- d) applying specialist academic knowledge in a wider and/or philosophical and social context.

The degree programme focuses on the student's personal development, promotes his or her awareness of social responsibility in research and develops students' skills of expression in the English language.

Article 2.2 Exit qualifications

In all events, a graduate of the degree programme will have the following attainment level:

1. Is knowledgeable in oncological terms, subject matter and has insight in important oncological research questions
2. Has insight in the position of oncology within medicine and (biomedical) sciences and has an understanding of (sub) disciplines important in oncology
3. Is proficient in the use of general scientific journals as well as general clinical, biomedical and oncological journals
4. Has insight in the scientific basis of oncology research and in the current achievements of oncology research
5. Has insight in ethical factors and the societal relevance of oncology research
6. Is knowledgeable in current oncological theories and is insightful in current research questions in oncology
7. Is proficient in the use of advanced statistical and epidemiological methods and is able to understand statistical analyses
8. Is skilled in oncology-related computer programs
9. Has acquired the skills for designing and executing a scientific investigation, in particular in the field of oncology
10. Is capable of designing and executing medical, biological and oncological experiments based on a research plan
11. Is capable of making translational connections between clinical and basic oncological questions
12. Is capable of thinking and acting in a multidisciplinary fashion

13. Can independently analyse medical-biological and in particular oncological information and evaluate it critically
14. Can use scientific knowledge in oncology for a societal debate
15. Can work independently in the research laboratory setting according to quality regulations
16. Is able to consider ethical problems of research or its applications in research decision-making
17. Is capable of analysing own research independently and critically with regard to design, execution and results
18. Can co-operate and communicate with researchers from his/her own discipline as well as other disciplines
19. Is capable of presenting scientific results in a verbal and written manner, to specialists as well as non-specialists in the English language
20. Can contribute to scientific discussions, in planning execution of research and discussing scientific results
21. Is capable of presenting scientific results in English writing according to international peer-reviewed journal standards
22. Is capable of demonstrating knowledge during discussions and can involve others' arguments
23. Can independently write a research proposal
24. Shows capability to reflect on acquired knowledge and skills
25. Is capable of evaluating his/her own functioning and of defining learning goals through self-reflection and through conversations with others
26. Knows his/her own strengths and weaknesses in regards to functioning within the research practice
27. Has the ability to independently acquire new knowledge and skills in the framework of life-long education in research practice

3. Further admission requirements

Article 3.1 Admission requirements

1. Admission to the Master's programme is possible for an individual who can demonstrate that he/she has the following knowledge, understanding and skills at Bachelor's degree level, obtained at an institution of academic higher education:
 - a) knowledge, understanding and skills in the subject of Oncology and Immunology as described in Pecorino; *Molecular Biology of Cancer (Mechanisms, Targets, and Therapeutics)*; Oxford University Press (ISBN 0-19-926472-4) and Charles A. Janeway, *Immunobiology*, Chapters 1 - 9, Fifth edition, Garland Publishing (ISBN 0-4430-7098), respectively.
 - b) Tangible laboratory experience.
2. In addition to the requirements referred to in the first paragraph, the Board will also assess requests for admission in terms of the following criteria:
 - a) Candidates completed their degree at a University College, did a double degree or an honours programme, or have other proof of having completed a bachelor's programme geared toward excellence.
 - b) Students with a bachelor degree from an institution of higher education (HBO) must have completed a programme geared toward excellence and may be admitted to the programme on the basis of a decision to that effect taken by the admission board of the Master's programme. The admission board may make additional demands of the student before granting admission to the Master's programme.
3. The Admissions Board will investigate whether the interested individual meets the admission requirements.
4. At the start of the programme the candidate must have fully completed the Bachelor's programme allowing admission to this Master's programme.
5. These regulations also cover the Topmaster Programme, an additional component of the Master's Programme for the most excellent students of the Master in Oncology. The following conditions of admission apply to the distinct programme within the degree programme, in addition to that stipulated in Article 3.1-4. In the first month of 2016 students will be selected for this programme on basis of the criteria stated below.
 - Topmaster programme:
The student's previous education must have included the following subjects and the minimum study load indicated:

- The mark of the bachelor work placement is ≥ 7.5 .
- The marks of the compulsory master courses in the programme obtained until January 2016 are on average ≥ 7.5 , with a minimum score of 7.0.
- All courses within the master programme have to be completed successfully in the first instance.
- Maximum top 20% of the class can participate in the Topmaster programme.
- The candidates to the Topmaster Programme will be announced by the programme in the 3rd period of the first academic year.

Article 3.2 Pre-Master's programme

1. The master programme oncology has no pre-Master's programme

Article 3.3 Limited programme capacity

1. The dean will, if necessary, announce the maximum programme capacity by 1 May prior to the start of the academic year.
2. Candidates will be selected in the following way:
 - a) Marks obtained in the bachelor programme.
 - b) Marks obtained in the admission exam as stated in article 3.1.1a.

Article 3.4 Final deadline for registration

A candidate must submit a request to be admitted to the programme through Studielink before 1 May in the case of Dutch students, before 1 April in the case of EU students and before 1 February in the case of non-EU students. Under exceptional circumstances, the Admission Board may consider a request submitted after this closing date.

Article 3.5 English language requirement for English-language Master's programmes

1. The proficiency requirement in English as the language of instruction can be met by the successful completion of one of the following examinations or an equivalent:
 - a) IELTS: 6.5
 - b) TOEFL paper based test: 580
 - c) TOEFL internet based test: 92-93
 - d) Cambridge Advanced English: A, B or C.
2. Exemption is granted from the examination in English referred to in the first paragraph to students who, within two years of the start of the programme:
 - a) met the requirements of the VU test in English language proficiency TOEFL ITP, with at least the scores specified in paragraph 1, or
 - b) had previous education in secondary or tertiary education in an English-speaking country as listed on the VU website, or
 - c) have an English-language 'international baccalaureate' diploma

Details on this topic can be found on the VU website <http://vu.nl/en/programmes/international-masters/admission-language-requirements/international-degree-holders/language-proficiency/index.asp>

Article 3.6 Free curriculum

1. Subject to certain conditions, the student has the option of compiling a curriculum of his/her own choice which deviates from the curricula prescribed by the programme.
2. The concrete details of such a curriculum must be approved beforehand by the appropriate Examinations Board.
3. The free curriculum is put together by the student from the units of study offered by Higher Education Institutes (HEIs) and must at least have the size, breadth and depth of a regular Master's programme.

4. Curriculum structure

Article 4.1 Composition of programme

The programme consists of the following components:

- a. Compulsory units of study
- b. Optional educational units of study
- c. Minor and Major internship
- d. Literature study

Article 4.2 Compulsory units of study

The compulsory units of study are:

Year 1

Name of course component	Course code	Number of credits	Period or semester	Teaching method	Type of test	Level
Oncogenesis	M_OONC03	6	Period 1	Lectures, workgroups, self-study	Written exam and assignments	400
Tumour Immunology	M_OTUMIM10	6	Period 1	Lectures, workgroups, self-study	Written exam and assignments	400
Tumour Biology and Clinical Behaviour	M_OTBCB03	6	Period 2	Lectures, workgroups, self-study	Written exam and assignment	400
Innovative Tumour Therapies	M_OITT03	6	Period 2	Lectures, workgroups, self-study	Written exam and assignment	400
Scientific writing in English	M_FWSE09	3	Period 3	Lectures, workgroups, self-study	Assignments	500
Biostatistics	M_OBIOSTA14	3	Period 3	Lectures, workgroups, self-study	Written exam and assignment	500
Academic core Y1	M_OACCCOREA14	-	Semester 1-2	Lectures, workgroups, self-study	Assignments	500
Minor internship	M_OMINORI12	27-33	Semester 2	Work discussion, practical work	Thesis, presentation, practical work	400

Year 2

Name of course component	Course code	Number of credits	Period or semester	Teaching method	Type of test	Level
Academic Core Y2	M_OACCCOREB14	3	Semester 1-2	Lectures, workgroups, self study	assignments	500
Literature study	M_OLITSTU03	9	Semester 1-2	Work discussions,	Outline, report and presentation	500
Major internship	M_OMAJORI12	33-39	Semester 1-2	Work discussion, practical work	Thesis, presentation, practical work	500

Article 4.3 practical training

Practical training is described in in article 4.2 section B of this AER.

Article 4.4 Electives

The student can take of the following electives:

Name of course component	Course code	Number of credits	Period or semester	Teaching method	Type of test	Level
Biobusiness course	M_OBIOBUS10	3	4-6	Lectures, workgroups, self-study	Assignments, exam	500
Proteomics in biomedical sciences	M_CPROTBIO09	3	4-6	Lectures, workgroups, self-study	Exam	500
Life cell imaging	M_CLIFECE09	3	4-6	Lectures, workgroups, self-study	Assignments, exam	500

Research Ethics	M_ETHICA09	3	4-6	Lectures, workgroups, self-study	Assignments	500
Academic Teaching and Presenting	M_CACTP09	3	4-6	Lectures, workgroups, self-study	Assignments	500
Clinical Oncology	M_OCLINON04	6	4-6	Lectures, workgroups, self-study	Assignments	500
In the Footsteps of Antoni van Leeuwenhoek	M_OANTONI03	3	Academic year	Lectures, workgroups, self-study	Assignments	600
Macroscopic, Microscopic, and Pathological Anatomy of the Mouse	M_OMACROS03	3	Academic year	Lectures, workgroups, self-study	Assignments	600
Radiation Protection Course, Level 5B	M_ORADPRO04	3	Academic year	Lectures, self-study	Assignments, exam	500
Science Journalism	AM_471014	6	2	Lectures, workgroups, self-study	Assignments	500
The Symbolic and Cultural Meanings of Cancer	M_OSYMBOL04	3	Academic year	Lectures, workgroups, self-study	Assignments	500
Viral Oncogenesis	M_OVIRONC03	3	3	Lectures, workgroups, self-study	Assignments	500
Caput epigenetics	AM_470606	6	Academic year	Lectures, workgroups, self-study	Assignments	500

If the student wishes to take a different course than the units of study listed, advance permission must be obtained from the Examinations Board. The total amount of EC for the elective courses is 12 EC

Article 4.5 Sequence of examinations

Students may participate in examinations for the units below only if they have passed the examination or examinations for the units mentioned:

- a) Minor internship after passing 18 EC of the first four compulsory courses
- b) Major internship after passing minor internship
- c) Literature study after passing minor internship

Article 4.6 Participation in practical exercise and tutorials

1. In the case of a practical training, the student must attend 100 % of the practical sessions. Should the student attend less than 100 %, he/she must repeat the practical training, or the Examiner may have one or more supplementary assignments issued.
2. In the case of tutorials with assignments, the student must attend 100 % of the tutorials. Should the student attend less than 100 %, he/she must repeat the study group, or the Examiner may have one or more supplementary assignments issued.
3. In exceptional circumstances, the Examiner may, at the request of the student, permit an exemption from this requirement if, in the opinion of the examiner, the assessment of the intended skills is also possible with a lesser percentage of participation, with or without the imposition of supplementary requirements.

Article 4.7 Maximum exemption

A maximum of 30 EC of the curriculum can be accumulated through granted exemptions.

Article 4.8 Validity period for results

1. The period of validity of interim examinations is 3 years, as from the year the interim examination has been taken.
2. The period of validity for exemptions is 3 years, as from the year the interim examination is granted.
3. In cases where it has been over three years since the student successfully completed the interim examination in a given component, the Examination Board may decide that he or she is required to sit an additional or replacement interim examination in that component before being permitted to sit the final examination.

Article 4.9 Degree

Students who have successfully completed their Master's final examination are awarded a Master of Science degree. The degree awarded is stated on the diploma. If it is a joint degree, this will also be stated on the diploma.

Article 4.10 Topmaster Programme

The Topmaster Programme includes all components of the Master Programme plus

- the compulsion to do additional courses worth 12 EC to be completed within the course period of 2 years
- the compulsion to do one placement in a renowned research institute abroad during the Topmaster.
- Programme the level of the marks has to be continued at 7.5 at least and obtained at the first instance.
- Students are required to write a study of literature which is suitable for publication in a peer reviewed journal
- Students who obtained the Topmaster status will get a certificate which states they have fulfilled all Topmaster requirements.

5. Transitional and final provisions

Article 5.1 Amendments and periodic review

1. Any amendment to the Teaching and Examination Regulations will be adopted by the dean after taking advice from the relevant Board of Studies. A copy of the advice will be sent to the authorised representative advisory body.
2. An amendment to the Teaching and Examination Regulations requires the approval of the authorised representative advisory body if it concerns components not related to the subjects of Section 7.13, paragraph 2 sub a to g and v, as well as paragraph 4 of the WHW and the requirements for admission to the Master's programme.
3. An amendment to the Teaching and Examination Regulations can only pertain to an academic year that is already in progress if this does not demonstrably damage the interests of students.

Article 5.2 Transitional provisions

Notwithstanding the current Teaching and Examination Regulations, the following transitional provisions apply for students who started the programme under a previous set of Teaching and Examination Regulations:

- a) For students started before 2012-2013 the following practical course codes M_OPRACT103 and M_OPRACT203 still apply. The students can vary the number of European credits assigned to the modules. For the first internship the number of EC is minimum 29 and for the second internship maximum 40 EC. In total 69 EC for both components need to be obtained. Students need to obtain a minimum of 15 EC for optional courses.
- b) For students started the master programme in 2012-2013 the following practical course codes M_OMINORI12 and M_OMAJORI12 apply. The students can vary the number of European credits assigned to the modules. For the minor internship the number of EC is between 27-33 and for the major between 33-39 EC. In total 66 EC for both components need to be obtained. Students need to obtain a minimum of 15 EC for optional courses.
- c) For students started in 2014-2015 have an additional compulsory component with the following course codes M_OACCOREA14 for year 1 and M_OACCOREB14 for year 2. Both components together consist of 3EC. Students need to obtain a minimum of 12 EC for optional courses.
- d) For students started before 2015-2016 the validity of results will be assessed with careful consideration by the examination board taking into account the adaptations made in article 4.8 in Part B of this AER.

Article 5.3 Publication

1. The dean will ensure the appropriate publication of these Regulations and any amendments to them.
2. The Teaching and Examination Regulations will be posted on the faculty website and deemed to be included in the course catalogue.

Article 5.4 Effective date

These Regulations enter into force with effect from 1 September 2015.

Article 5.5 Conflicts with the regulations

If a prospectus or other regulations relating to the study programme or the examination programme are in conflict with these regulations that stipulated in these regulations will take precedence.

Thus drawn up by the dean..... on ...20....

Approved by authorised representative advisory body on 17-12-2014

Adopted by the dean on [date]20....