

**RULES AND GUIDELINES  
BOARD OF EXAMINERS  
(under Article 7.12b, section 3 of  
the Higher Education Act (WHW))**

**2016-2017**

**MASTER OF TRANSPORT  
INFRASTRUCTURE & LOGISTICS**

**DELFT UNIVERSITY OF TECHNOLOGY**

# Rules and Guidelines of the Board of Examiners

## 2016-2017

### Contents

General .....	4
Article 1    Scope of applicability.....	4
Article 2    Definition of terms .....	4
Article 3    The Board of Examiners' working method .....	4
Article 4    Decisions taken by the Board of Examiners.....	4
Article 5    Examinators, external examiners ad hoc committees.....	4
Article 6    Standards .....	5
Article 7    Language.....	5
Article 8    Fraud.....	5
Article 9    Time limits.....	6
Registering and withdrawing.....	6
Article 10   Registering for examinations.....	6
<i>Expired.</i> .....	6
Article 11   Registering for practicals .....	6
<i>Expired.</i> .....	6
Article 12   Registering for degree audit and applying for degree certificates .....	6
Article 13   Withdrawal or absence.....	6
Examinations and practicals .....	7
Article 14   Taking written and oral examinations.....	7
Article 15   Questions and assignments.....	7
Article 16   Order during examinations .....	7
Article 17   Assessment .....	8
Article 18   Registration and publication of exams and practicals results.....	9
Article 19   Official date of completed exams and practicals.....	9
Article 20   Retention of work and results.....	9
Exemption .....	10
Article 21   Exemption application procedure .....	10
Article 22   Official date of an exemption.....	10
Further rules governing internships and projects .....	10
Article 23   Internship .....	10
Article 24   Project.....	10
Article 25   Official date of internship and project results.....	11
Further rules governing Master Thesis Project.....	11
Article 26   Master Thesis Project .....	11
Article 27   Composition of the assessment committee for Master Thesis Project.....	11
Article 28   Working method of the assessment committee.....	12
Article 29   Official date of the Master Thesis Project results.....	13
Curriculum components completed elsewhere.....	13
Article 30   Inclusion in the degree audit programme.....	13
Article 31   Provision of information .....	13
Pass/fail rules.....	14
Article 32   Pass/fail rules governing Master's degree audit.....	14
Article 32A   Pass/fail rules governing the Honours Programme Master.....	14
Article 32B   Pass/fail rules governing annotations .....	14
Article 32C   The pre-master's pass and fail rules for students from higher vocational institutes (hbo) or another deficiency programmes .....	14
Conferring the predicate 'cum laude' .....	15

Article 33	The designation 'cum laude' for Master's degree audits.....	15
Degree certificates and results achieved.....		15
Article 34	Degree certificate, transcript and supplement .....	15
Article 35	Statement of results achieved.....	15
Appeal and final provisions.....		15
Article 36	Appeals against decisions made by the Board of Examiners .....	15
Article 37	Amendments to the Rules and Guidelines of the Board of Examiners .....	15
Article 38	Unexpected circumstances .....	16
Article 39	Entry into force.....	16
Appendix 1 – Assessment committee, list of approved chairman's .....		17

## General

### **Article 1      Scope of applicability**

These Rules and Guidelines govern the interfaculty master's degree in Transport, Infrastructure and Logistics (TIL) offered by the faculties of Civil Engineering and Geosciences, of Mechanical, Marine and Materials Engineering and of Technology, Policy and Management at Delft University of Technology, referred to below as the 'Programme'.

### **Article 2      Definition of terms**

The definitions of terms contained in Article 1.1 of the Dutch Higher Education and Research Act (*Wet op het hoger onderwijs en wetenschappelijk onderzoek*) and Article 2 of the TIL's Master's Programme Teaching and Examination Regulations, referred to below as the Master's Programme Regulations', apply.

### **Article 3      The Board of Examiners' working method**

1. In principle the Board of Examiners meets once a month
2. The Board of Examiners may delegate certain clearly defined duties.
3. The Board of Examiners' official secretary is charged with looking after the day-to-day affairs of the Board of Examiners.
4. The meetings are not public.
5. If a student submits a request or complaint to the Board of Examiners that involves a member of the Board of Examiners, then the member in question shall not be involved in the handling of the request or complaint and will temporarily withdraw from the meeting.
6. A report will be drawn up regarding the matters discussed at meetings.
7. The Board of Examiners shall prepare an annual report of its activities during the previous academic year. The report shall be submitted to the Dean.

### **Article 4      Decisions taken by the Board of Examiners**

1. The Board of Examiners' rulings are based on a simple majority vote.
2. If the votes are equally divided the Chairman of the Board of Examiners will have a casting vote unless the votes were cast by ballot.
3. If votes cast by ballot are equally divided, then a second vote by ballot will be held; if the votes are once again equally divided, the proposal being voted upon will be rejected.
4. The student must draw up his entire examination programme and present it to the Board of Examiners for approval, at least before graduating. The decision whether the examination programme meets all the requirements of the Implementation Regulations is made by the official secretary of the Board of Examiners.
5. The decision whether a student has met all the requirements for the degree audit is made by the official secretary of the Board of Examiners. In case of doubt the Board of Examiners will decide.
6. The secretary is mandated to make standard decisions on the basis of the R&R, the TER, the IR and previously formulated policy.

### **Article 5      Examinators, external examiners ad hoc committees**

1. The members of staff responsible for providing the teaching in the relevant subject will be the examiners that conduct examinations.
2. The Board of Examiners is entitled to appoint experts from outside the institution as examiners. This kind of appointment will be for a maximum period of two years, with the option to extend this period each time by a maximum of a further two years.
3. The Board of Examiners may appoint ad hoc committees.

## **Article 6      Standards**

The Board of Examiners or the examiner will use the following standards as a guideline when making decisions and will weigh the various standards against each other in the event of any inconsistency:

- a. maintaining the quality and selection requirements with respect to the examination or part of the examination in question;
- b. expediency, with the goal of:
  - limiting study delays of students who are making good progress in their studies;
  - and persuade a student to drop out of the programme with as little loss of time as possible if it has become unlikely that the programme will be completed within a reasonable period of enrolment;
- c. warning students and taking appropriate action if they are in danger of taking on too great a study load;
- d. leniency with respect to a student who is experiencing or has experienced a study delay due to circumstances that are beyond his/her control.

## **Article 7      Language**

1. A student who submits a request to the Board of Examiners to take one or more parts of an examination in another language as referred to in Article 9 of the Masters' Programme Regulations must substantiate that request.
2. Before making a decision, the Board of Examiners is to obtain advice from the examiner(s) in question with regard to the request.

## **Article 8      Fraud**

1. Fraud is taken to mean any act or omission by a student that makes it fully or partially impossible to properly assess the knowledge, insight and skill of that student or another student. Fraud includes committing any form of plagiarism, including any and all cases in which a student suggests that a piece of work is his/her own when that is not the case.
2. Whenever a student is suspected of having committed fraud, the matter will be dealt with by the Board of Examiners of the study programme on which the student is enrolled. If a Board of Examiners receives a complaint relating to fraud about a student who is enrolled on a different study programme, it will immediately pass on the complaint to the Board of Examiners of the relevant study programme. In the case of fraude committed in group work involving students from different study programmes, the Boards of Examiners concerned will together agree which Board of Examiners will handle the complaint. The Board of Examiners dealing with the complaint will keep the other Board or Boards informed of the outcome.
3. If fraud is discovered or suspected while an examination is being taken, the examiner or invigilator will immediately inform the student in question and record the incident in writing as quickly as possible. The examiner or invigilator may request the student to make available any evidence. If the student refuses to do so, this will be noted in the report. The report and any evidence will be submitted to the Board of Examiners immediately.
4. If fraud is discovered or suspected other than while an examination is being taken, the examiner will record the incident in writing as quickly as possible. The report and any evidence will be submitted to the Board of Examiners immediately.
5. The Board of Examiners will, in case of fraud, make the decision that a mark will not be issued for the examination or practical in question, barring exception cases.
6. The Board of Examiners will give the student an opportunity to add written comments to the report that was prepared by the examiner or invigilator.
7. The Board of Examiners will make a decision whether a sanction will be imposed and can impose the following sanctions on the student depending on the gravity of the case, including repeated incidents of fraud:
  - a. a reprimand;
  - b. exclusion from the examination or practical in question for a maximum period of one year;
  - c. exclusion from one or more examination periods for a maximum period of one year; or

d. a combination of the measures listed above.

In the event of serious fraud, the Board of Examiners is entitled to decide to propose to the Executive Board that the student's enrolment on the degree programme be permanently terminated.

8. The Board of Examiners will not make a decision as referred to in subsection 6 until after the student has been given an opportunity to be heard. A hearing will not be necessary if the Board of Examiners determines that no fraud has been committed.

## **Article 9 Time limits**

1. A request to the Board of Examiners must be submitted eight working days before the meeting.
2. The Board of Examiners will render a decision with respect to a student's application within 40 working days after the application is received or, if the application is submitted during an academic holiday or within a period of three weeks prior to an academic holiday, within 40 working days after the end of that holiday. The Board of Examiners may postpone making a decision for a maximum period of 10 working days. The student will be informed in writing of any postponement before the end of the period referred to in the first sentence.

## **Registering and withdrawing**

### **Article 10 Registering for examinations**

*Expired.*

### **Article 11 Registering for practicals**

*Expired.*

### **Article 12 Registering for degree audit and applying for degree certificates**

1. Registration for the degree audit and the application for the degree certificate must be submitted to the Student Administration no later than 20 working days before the degree audit in question is to be held.
2. The student must submit the final study programme to the Student Administration no later than the day on which the period referred to in subsection 1 commences.
3. All requirements must be met and all results must have been submitted to the Student Administration no later than five working days before the meeting for the degree audit in question.
4. The Student Administration has the possibility of putting a student forward for a degree audit if it has established that the student has met all obligations for the degree audit. The Student Administration will inform the student of its intention to put the student forward for the degree audit. The Student Administration will drop its intention when the student indicates within the specified period that he/she wishes to improve a result or wishes to supplement his/her examination programme. In that case, the student will have the opportunity to do so during the rest of the current academic year.

### **Article 13 Withdrawal or absence**

1. Withdrawal from the degree audit is possible up to three working days before the meeting for the audit in question is due to be held; this is arranged with the Student Administration.
2. Any student who has withdrawn from the degree audit should re-register on a subsequent occasion, in accordance with the provisions of Article 12

## Examinations and practicals

### **Article 14     Taking written and oral examinations**

1. When the same examination is administered by more than one examiner, simultaneously or otherwise, and the results of the examination in question are also assessed by more than one examiner, the final assessment will be made on the basis of the relevant (and identical) predetermined standards in accordance with the provisions of Article 17 subsection 2. If necessary the Board of Examiners will designate an examiner who will have primary responsibility for administering the examination.
2. In special cases the Board of Examiners may allow a student to take an examination examination in a form other than a written examination. The request for this must be substantiated.
3. An oral examination will preferably be conducted by two examiners.
4. A student's registration will be confirmed by or on behalf of the Board of Examiners during written or oral examinations.

### **Article 15     Questions and assignments**

1. The questions and assignments covered by an examination will not include material that is not part of the sources that are to be made known in advance and from which the questions and assignments are derived. These sources will be generally made known before commencement of the coursework that prepares students for the examination. The exact scope of the material will be finalized no later than one month before the examination is taken.
2. The questions and assignments contained in an examination are to be a well-balanced representation of the materials studied.
3. The examination will reflect the content and form of the course objectives.
4. The questions and assignments will be clear and unambiguous. The method of assessment is to be made clear and unambiguous so that the student is fully aware of how extensive and detailed the answers must be.
5. Well before a written examination, the examiner will give the students the opportunity to familiarize themselves with examples of representative examination questions and answers and the examination assessment standards.
6. The time limit for examinations will be such that the student will have sufficient time to answer the questions, based on reasonable standards.

### **Article 16     Order during examinations**

1. The examiner will ensure that invigilators are designated for written examinations. The invigilators will maintain order during the exams and ensure that they run smoothly, on behalf of and under the responsibility of the Board of Examiners. The invigilators will observe the 'Guidelines for the invigilation of examinations', which will be available in the examination location.
2. At the request of the Board of Examiners the student will be required to identify him/herself using his/her student ID or other valid proof of identity (a passport, ID card or driving licence).
3. The student must follow the instructions issued by the Board of Examiners, the examiner or the invigilator that have been published before the start of the examination and the instructions that are given during the examination or immediately after it has ended.
4. A student who does not comply with the provisions contained in or pursuant to the second and third subsection may be excluded from further participation by the Board of Examiners or the examiner. In these cases no mark will be recorded for the examination.
5. Examination paper and scrap paper will be provided. The student immediately writes down his/her name on all papers. Only the work written on examination paper will be assessed. However, the student must bring his/her own writing and drawing materials

6. If the use of a calculator<sup>1</sup> is permitted during an examination, the student must bring his/her own calculator, which must be in compliance with the function limits indicated by the examiner.
7. During an examination the student may not have in his/her possession nor may he/she consult any books, lecture notes, other notes or other documents unless the examiner has decided otherwise.
8. During an examination the student may not use any pre-programmed calculators, computers, mobile telephones or other devices that have comparable functions unless the examiner has decided otherwise<sup>2</sup>.
9. During an examination the student may not copy from other students or exchange information and/or materials with other students in any manner whatsoever, either inside or outside the location where the examination is held.
10. Answers may not be written in pencil unless the examiner has given permission to do so in advance.
11. The student may not take the examination assignments with him/her after the examination has ended unless the examiner has decided otherwise.
12. Students who wish to participate in an examination more than 30 minutes after the examination in question has started will not be admitted.
13. The student is not permitted to leave the location where the examination is being held within 30 minutes after an examination officially starts. In urgent cases permission may be given to leave the location where the examination is being held after those 30 minutes have passed, under the supervision of an invigilator. No more than one student may be absent at any given time.
14. Before the student's final departure from the location where the examination is being held (not earlier than 30 minutes after the examination in question has started) the student must hand in the examination work, on which he/she has written his/her name and student number on each page, to the examiner or invigilator.

## **Article 17      Assessment**

1. The assessment method, including the weighing of components, is to be transparent such that the student can ascertain how the result was reached.
2. Written examinations will be assessed, with due observance of the provisions contained in Article 14 (subsection 1), on the basis of model answers and standards that have been laid down in writing in advance and that may be revised during correction.
3. A result will be indicated by a mark, a V (*voldaan* - pass), an O (*onvoldoende* - fail) or a VR (*vrijstelling* - exemption).
4. A final mark for a subject will be expressed in a whole mark or a half mark from 1.0 to 10.0. The meaning of the marks is as follows:

9.5 – 10.0	Excellent
8.5 – 9.0	Very good
7.5 – 8.0	Good
6.5 – 7.0	More than satisfactory
6.0	Satisfactory
4.5 – 5.5	Nearly satisfactory

---

<sup>1</sup> The permitted graphing calculators are:

- Casio FX-9750GII, FX-9860GII of FX-9860GII SD, CG20
- Hewlett Packard 39GII
- Sharp EL 9900
- Texas Instruments 83 plus, 84 plus silver edition of 84 plus C silver edition
- Texas Instruments TI-Nspire CX, only the version without CAS (the TI-Nspire CAS is not permitted). Texas Instruments also provides an externally mounted cradle which permits communication with an external computer. The cradle is not permitted.

Older types are also permitted, but it is possible that some assignments cannot be answered or are more difficult to answer using them.

<sup>2</sup> See footnote 1

- |  |           |                |
|--|-----------|----------------|
|  | 3.5 – 4.0 | Unsatisfactory |
|  | 1.0 – 3.0 | Very poor      |
5. If the marks are rounded off to half and whole figures, three-tenths, four-tenths, eight-tenths and nine-tenths will be rounded up and one-tenth, two-tenths, six-tenths and seven-tenths will be rounded down.
  6. If a subject consists of more than one component, the subject overview in the study guide will indicate how the final mark will be determined. The following provisions apply in this respect:
    - The mark for a component examination will be expressed in tenths, where hundredths greater or equal to 0.05 will be rounded up and hundredths lower than 0.05 will be rounded down.
    - A result for a component examination or practical may be included in the determination of the final mark only if it is at least a 5.0.
  7. Final marks that are earned in another degree programme at this or another Dutch university will be adopted as they have been given, as a whole figure or half figure or as a decimal figure. The definition that the other degree programme attributes to those marks will also be adopted.
  8. Final marks that are earned in another degree programme at a university abroad will be adopted as they have been given. The definition that the other degree programme attributes to those marks will be adopted. Also, the provisions of Article 31 apply to final marks that are earned abroad.
  9. If more than one result is earned for a subject, the highest result that has been earned will apply during the degree audit.
  10. The final mark for participating in an ATHENS programme will be indicated by a V (pass) or an O (fail).

#### **Article 18 Registration and publication of exams and practicals results**

1. Article 19 of the Master's Teaching and Examination Regulations determines the manner in which the results of an exam will be published.
2. The examiner will send the results of exams to the Student Administration for registration, indicating the date on which the written examination was held or the oral examination was taken.
3. If practicals have been arranged as separate components, the examiner will send the results of those components to the Student Administration for registration, indicating the date on which the practical was completed.
4. The examiner may lay down further rules with respect to the final date on which a report may be submitted or on which a practical must be completed. These rules must be included in the course overview in the digital study guide.

#### **Article 19 Official date of completed exams and practicals**

1. The official date of an exam will be the date on which the written or oral exam was taken.
2. The date of a practical will be the date on which the final report is submitted or the oral final presentation is held, or, if there is no report or final presentation, the date on which the practical ends.

#### **Article 20 Retention of work and results**

1. Due to the possibility of appeals proceedings, student work that has been assessed, with the exception of three-dimensional projects, must be retained for at least two years after the date of the exam. Three-dimensional projects must be retained by the examiner for at least six weeks after the results have been published. In connection with the re-accreditation of the study programme, in contravention to subsection 1, successfully completed Master's theses and the related evaluation forms must be retained for at least seven years.
2. In the event that no result has been published, the period referred to in subsection 1 will commence on the date on which the exam is held.
3. The results of exams will be retained by the Student Administration for a period of at least 10 years.

## Exemption

### **Article 21 Exemption application procedure**

An application for an exemption from all or part of a subject must be submitted to the Board of Examiners in writing, stating the reasons for the exemption request, together with any documentary evidence. The student must attach the recommendation of the examiner concerned to his/her application.

### **Article 22 Official date of an exemption**

The official date of an exemption will be the date on which the Board of Examiners grants the exemption.

## Further rules governing internships and projects

### **Article 23 Internship**

1. Before the internship commences an internship agreement has to be closed between the internship coordinator, the examiner from the relevant subject area, the supervisor at the company or institution where the student is doing his or her internship, and the student.
2. The internship agreement must at least detail the aims of the practical training period.
3. The internship agreement forms the basis for the assessment. The period of training will be assessed in its entirety.
4. The internship coordinator will determine whether the report meets the requirements laid down for the structure and production of the report as well as the student's own assessment of the internship. The company or institution supervisor will also, if necessary, be consulted. The subject area examiner will assess the subject-related aspect of the report. The internship coordinator will determine the final mark, also on the basis of the subject area examiner's conclusions and the recommendations made by the company or institution supervisor.

### **Article 24 Project**

1. In the interdisciplinary design project manual an indication is given of the number of phases into which a project is divided.
2. The first phase must be rounded off with a work plan that has to be approved by the supervisory team after the initial assessment. If the work plan is not approved then a supplement must be added. The project may not be pursued until the work plan has been approved.
3. Roughly mid-way through the second phase there will be a briefing when the group will be expected to present the results and the activities still to be carried out to the supervisory team.
4. At the beginning of the third phase the group will be expected to submit the final draft report.
5. The last phase will be rounded off with the production of the final report and a summary of that same report. Subsequently, during the final assessing, there will be an oral presentation of the final report and an evaluation report will be produced.
6. The student is expected to attend the initial assessment, the briefing and the final assessment and to be present at any other point deemed necessary by the supervisory team. If a student has no valid excuse for being absent at such times then he may be banned from further participating in the project.
7. The work plan and the final report must be assessed by at least two examiners, belonging to at least two of the participating faculties. One of them must be the main supervisor.

8. When it comes to the final assessment, the work aspects definitely taken into consideration will be the following:
  - a. the quality of the project
  - b. how the various sub-topics have been integrated
  - c. written reporting
  - d. oral presentation
  - e. the group process.
9. The group result will be rounded off to a whole number and it will also be the individual final result unless the main supervisor has sound reason to deviate from that in the case of one or more students in the group. The final mark will be expressed in tenths, where hundredths greater or equal to 0.05 will be rounded up and hundredths lower than 0.05 will be rounded down.
12. The group is responsible for ensuring that there is regular contact with the main supervisor.
13. The projects, carried out in one course year, are to be evaluated by one of the concerned professors, who will report to the Director of Education.

#### **Article 25      Official date of internship and project results**

1. The official date of the completion of the internship will be the date on which the final report is submitted.
2. The official date of the completion of a project will be the date on which the final report or project is submitted or the date on which the oral final presentation is given.

#### **Further rules governing Master Thesis Project**

#### **Article 26      Master Thesis Project**

1. Before embarking on the thesis project, the student must complete the form entitled "Request for Graduation Commencement" which is obtainable from the education administration and on the website. On the basis of that form the board of examiners will then check, or otherwise ensure, that the student does indeed comply with the requirements laid down for the final study phase. If everything is in order the student can then report to the graduation coordinator and further compile his master's examination programme.
2. The thesis project is viewed as a practical exercise. The assessmentcommittee's chairman is responsible for the internal and external supervision. Both the internal and external supervision are viewed as part of the statutory educational facilities.
4. The "final thesis project assessment" should be understood to be the meeting during which the examination committee's chairman makes known the results of the student's work. The accompanying presentation constitutes part of the final assessment. The result should preferably be made known on the same day. Generally speaking, the final assessment will occur within four weeks (the months of July and August excluded) of the final thesis report having been handed in.
4. Before the final assessment can take place, the assessment committee has to upload the thesis in Turnitin for a plagiarism scan. The assessment committee will assess the results at the green light meeting.
5. The student must actually be registered as such at the time when he or she hands in his or her final thesis report.

#### **Article 27      Composition of the assessment committee for Master Thesis Project**

1. A committee will be appointed by or on behalf of the Board of Examiners for the supervision and assessment of the Master Thesis Projects. That committee will consist of at least three examiners, the chairman included. At least two examiners of the assessment committee will come from different faculties of the degree programme (Civil Engineering, TPM, 3ME).

2. Those able to serve as examiner on the assessment committee are:
  - a) Anyone who is a full professor, an associate professor, an assistant professor or a post-doc at Delft University of Technology. Maximum one post-doc can be appointed as member (examiner) of an assessment committee. More post-doc members are only allowed as additional member (see under 2c).
  - b) External experts as described in Article 5, subsection 2.
3. Additional members to the assessment committee (additional to the examiners mentioned under 1 and 2) are allowed. These members may be a PhD candidate or an (extra) post-doc.
4. The chairman of the committee must be a full professor from the approved list (appendix 1). An exception to appoint another chairman can be made on request to the Board of Examiners. On request an associate professor or an (tenured) assistant professor may be appointed chairman with the Board of Examiners.

## **Article 28 Working method of the assessment committee**

1. As soon as the final study phase begins the examination committee's chairman will indicate to the student which of the members of the examination committee are directly involved in his/her supervision.
2. In consultation with the chairman and his/her immediate supervisor, the student must draw up a work plan which at least describes: the subject, the approach and the duration, and which gives a list of contents.
3. The work plan must be approved by the examination committee after the initial assessment. If it is not approved then supplementary material must be supplied. The work may not be started until the workplan has been approved.
4. The point when the work plan is approved marks the point when the thesis project may begin.
5. Dramatic changes in the work plan must be approved by the examination committee.
6. During the graduation phase there must be at least one interim meeting with the examination committee to gauge the progress being made.
7. Before a presentation date is agreed the student must have completed all his/her other examination programme obligations, then present the draft report text to the complete assessment committee and wait for the assessment.
8. After the student has received the examination committee's approval he must then arrange a presentation date.
9. The final assessment and the presentation of the thesis project should be preferably planned for the same day. At least two members of the examination committee, one of whom must be the chairman, ought to be present at the time of the presentation.
10. Members of the examination committee who are unable to be present at the time of assessment should react in writing, possibly by email, to the material received from the student beforehand. The reaction has to be addressed to the chairman.
11. Each time the examination committee evaluates matters, the student must compile an official report and post it or mail it to the committee for approval. If, after a week, no reaction has been received he or she may presume that the agreements detailed in the report have been accepted.
12. When it comes to the task of assessing the thesis project the committee will at least bear in mind the following aspects. Ultimately the final result will, to a large degree, be determined by the work content but the reporting style and presentation will also play a part.
  - a. intrinsic aspects:
    - originality and creativity
    - independence
    - productivity
    - analytical ability
    - synthetic ability
    - approach method
 and, where relevant,
    - sustainable development technology.
  - b. written presentation
    - structure
    - readability
    - presentation

- language use.
- c. oral presentation:
- structure
  - clarity for a wider audience
  - quality of the audiovisual aids
  - defence.
13. The final mark must preferably be given as a rounded off figure or to the closest half point, although it is acceptable to give one decimal fraction.
  14. The chairman will try to arrive at a final mark that is unanimously agreed to by the committee. If any member of the examination committee objects to the final mark then this has to be recorded and justified in writing. If necessary, the final decision will lie with the chairman if there is disagreement about the final mark. The student will not be notified of the procedure that led to the determining of the final mark.
  15. The examination committee will ensure that provided the level of the thesis project is high enough the time devoted to the work involved will not be greater than the study load in conjunction with the allocated number of credits.
  16. The graduation coordinator or else a member of the examination committee appointed in conjunction with the graduation coordinator remains responsible for ensuring that the relevant Education and Examination Rulings and the Rules and Guidelines laid down by the board of examiners are adhered to. What will be particularly well checked is whether the commencement stipulations are observed, whether the subsequent procedures are followed and if the thesis project is assessed according to uniform norms.
  17. The graduation coordinator must keep a record of how long the student has worked on the thesis project. If it has not been completed within a year then the coordinator will ask the student and the examination committee chairman why that is so. If the student does not subsequently progress fast enough the graduation coordinator will notify the board of examiners accordingly.
  18. If the board of examiners is involved in the graduation process in the way sketched in subsection 17 it will ask both the examination committee and the student to elucidate matters in writing and to further detail how the graduation process can be completed. The board of examiners subsequently has the right to decide that the existing material will be viewed as the final thesis. The possibility that the student in question will thus fail to successfully round off his or her studies will arise. In such cases students are required to find a new thesis topic and repeat the graduation process.

#### **Article 29 Official date of the Master Thesis Project results**

The official date of completion of the Master's Thesis Project will be the date on which the oral final presentation is given.

#### **Curriculum components completed elsewhere**

#### **Article 30 Inclusion in the degree audit programme**

The number of credits to be submitted for the degree audit and that are derived from components for which an exemption has been granted and/or from curriculum components completed outside the degree programme may not exceed a total of 40.

#### **Article 31 Provision of information**

1. In the event that a student has completed approved components taken outside the degree programme, the student is responsible for ensuring that the authorised agency issues a statement indicating the component in question by name and insofar as applicable by subject code, the associated study load (credits), the results, the date on which the results were earned

and the date on which the statement was issued. The student must also provide a grading table of the foreign university to the Board of Examiners.

2. In the case of components taken abroad, the student must request the Board of Examiners to determine the scope in credits and determine if the result is sufficient according to the grading table of the university abroad.

### **Pass/fail rules**

#### **Article 32 Pass/fail rules governing Master's degree audit**

1. Students may be said to have gained their Master's degree when they have met the following requirements:
  - if the student in question has been admitted to the programme,
  - once the marks list is complete, that is to say, when a mark has been given for each subject, the work has been graded as a pass or when the student has been exempted,
  - once the project and thesis project and, if relevant, the internship, have been completed with a mark no lower than 6.0,
  - when none of the marks are below 6.0.
2. The method of assessment will be transparent so that the student can ascertain how the result was reached.
3. In special cases the Board of Examiners may deviate from the provisions of subsection 1. It will stipulate additional requirements if necessary.

#### **Article 32A Pass/fail rules governing the Honours Programme Master**

The student meets the requirements for the Honours Programme Master once the following have been met:

- a. A pass mark has been achieved for all subjects in the Honours Programme Master.
- b. The duration of study for the Master's degree programme and the Honours Programme Master from which any delay in studies due to circumstances beyond the student's control has been subtracted is a maximum of two years. In exceptional circumstances, the Board of Examiners can deviate from this time period.

#### **Article 32B Pass/fail rules governing annotations**

The student has passed an annotation as set out in Article 8-9-10-11-12 of the Master's Programme Implementation Regulations if he/she has achieved a pass mark for all subjects.

#### **Article 32C The pre-master's pass and fail rules for students from higher vocational institutes (hbo) or another deficiency programmes**

1. The student meets the requirements for the degree audit once the following have been met:
  - a. a result has been earned for all subjects: a mark, a pass (v) or an exemption (vr);
  - b. none of the marks may be lower than 6.0.
2. The method of assessment will be transparent so that the student can ascertain how the result was reached.
3. In special cases the Board of Examiners may deviate from the provisions of subsection 1. It will stipulate additional requirements if necessary.

### **Conferring the predicate 'cum laude'**

#### **Article 33 The designation 'cum laude' for Master's degree audits**

1. A student can receive the designation 'with distinction' for the Master's degree audit if the Board of Examiners decides to grant this distinction and the following requirements have been met:
  - a. the weighted average of the results of the subjects not including the Master Thesis Project is at least 8.0; passes (V), exemptions (VR) and final marks that are earned abroad will not be taken into consideration;
  - b. the number of credits for the subjects for which a pass (V) has been earned or for which an exemption (VR) has been granted may not exceed 20 credits in total.
  - c. The result for the Master Thesis Project is at least 8.5
  - d. Cum laude will not be awarded when the student have committed fraud.
  - e. Programme duration and the number of resits (including the results for the first exams) will be taken into consideration.
2. In special cases the Board of Examiners may decide to grant the designation "cum laude" to a student who does not meet the requirements referred to in subsection 1 if the student in question has shown exceptional skills in the degree programme in question.

### **Degree certificates and results achieved**

#### **Article 34 Degree certificate, transcript and supplement**

1. A degree certificate will be issued by or on behalf of the Board of Examiners as evidence that the degree audit has been completed.
2. The degree certificate for the Master's degree audit will be signed by the chairman of the examination committee on behalf of the Board of Examiners.  
A supplement in English will be provided when the degree certificate is issued, which will in any event indicate the results achieved.

#### **Article 35 Statement of results achieved**

1. A student who has successfully taken one or more exams and to whom the degree certificate within the meaning of Article 34 cannot be issued when he/she leaves the university will receive a statement from the Board of Examiners upon request. That statement will indicate the student's personal data, subject code(s), subject name(s), number of credits, the result(s) and the date(s) on which the result(s) was/were earned.
2. A statement as referred to in subsection 1 must be requested from the Student Administration.

### **Appeal and final provisions**

#### **Article 36 Appeals against decisions made by the Board of Examiners**

An appeal may be brought against a decision made by the Board of Examiners and/or an examiner within a period of four weeks after the person in question has been notified of the decision. Appeals may be brought before the Examination Appeals Board for the exams referred to in Article 7.60 of the Higher Education and Research Act. The Board of Examiners will refer to this possibility of appeal in its decision.

#### **Article 37 Amendments to the Rules and Guidelines of the Board of Examiners**

No amendments may be made to these Rules and Guidelines that apply to the current academic year unless the students' interests remain reasonably unaffected.

**Article 38      Unexpected circumstances**

Insofar as these Rules and Guidelines do not provide for specific circumstances, the Board of Examiners will make a decision that is in line with these Rules and Guidelines to every extent possible.

**Article 39      Entry into force**

These Rules and Guidelines will enter into force on 1 September 2016.

**Adopted by the Board of Examiners on July 7, 2016.**

## **Appendix 1 – Assessment committee, list of approved chairman's**

Prof.dr.ir. B. van Arem (CiTG)

Prof.dr.ir. C.G. Chorus (TBM)

Prof.dr. M.P. Hagenzieker (CiTG)

Prof.dr.ir. S.P. Hoogendoorn (CiTG)

Prof.dr.ir. J.W.C. van Lint (CiTG)

Prof.dr.ir. G. Lodewijks (3mE)

Prof.dr.ir. E. de Romph (CiTG)

Prof.dr.ir. L.A. Tavasszy (TBM)

Prof.ir. T. Vellinga (CiTG)

Prof.dr.ir. A. Verbraeck (TBM)

Prof.dr. G.P. van Wee (TBM)

Prof.ir. F.C.M. Wegman (CiTG)