PROGRAM AND EXAMINATION REGULATIONS 2019-2020

FOR THE MASTER’S PROGRAM IN

CONSTRUCTION MANAGEMENT AND ENGINEERING

ACCORDING TO THE GRADUATE SCHOOL

The Board of the Department of the Built Environment of Eindhoven University of Technology ("TU/e"), in view of Articles 9.5, 9.15, paragraph 1 under a, Article 7.13, paragraphs 1, 2 and 3, Article 9.38 under b, Wet op het hoger onderwijs en wetenschappelijk onderzoek’ (WHW) and Article 9.18, paragraph 1 under a, as well as Article 7.8b WHW,
in view of the approval/the advice of the Joint Program Committee of the Masters room on April 9, 2019,
in view of the approval/the advice by the University Council on April 23, 2019,
in view of the approval/the advice of the Department Council dated June 25, 2019,
in view of the approval/the advice of the Program Committee dated June 18, 2019,
in view of the advice of the Examination Committee of July 22, 2019,

hereby establishes these Program and Examination Regulations (hereafter OER) for the Master’s program in Construction Management and Engineering.

This OER enter into force on September 01, 2019 with exception of Articles 3.7 and 3.8 that enter into force on August 1, 2019 and are applicable to July 31, 2020 and read as follows:
H 1 GENERAL PROVISIONS

Art 1.1 Scope

1. These regulations apply to the teaching, examinations and final examinations of the Master’s program in Construction Management and Engineering.

2. Stipulations of the Program and Examination Regulations of the Bachelor’s program in question apply if Master’s students takes Bachelor’s program study components.

Art 1.2 Definitions

a. competency
   an individual’s ability to acquire, select and use the set of attitudes, skills and knowledge that is required to behave effectively in a specific professional, societal or learning setting.

b. Competency Assessment (CA)
   an assessment (as referred to in Article 7.10, paragraph 1 of the WHW) into the students’ academic and professional competency development. The CA results in a verdict and is based on oral, written, digital and/or physical information and evidence.

c. course catalogue
   the part of OSIRIS in which information about study components is stored and displayed. For a study component mention is made of the teachers involved, the parts of the test and how these are weighed, among other things.

d. Education and Student Affairs (ESA)
   the service within TU/e where students and others can make use of a variety of services in the field of educational support.

e. examiner
   the officer responsible for an individual study component at TU/e who is appointed by the Examination Committee to assess students by means of examinations/CAs about the study component and to determine their results.

f. final examination
   the Master’s examination of the degree program. This examination is successfully completed if all requirements have been met concerning the Master’s degree program as a whole.

g. quarter
   the academic year is divided into four quarters. The start and end dates of these quarters is determined annually in the TU/e annual academic calendar.

h. subject specialist
   a teacher or similar representative with expertise concerning content who is not a student.

i. mentor
an assistant, associate or full professor appointed by the director of the Graduate Program, who supervises students as they put together their program of examinations/PDP and the related choices that need to be made.

j. intra-university transfer student
students who alter their enrollment in a certain degree program or pre-Master’s program in the running academic year into an enrollment in another degree program or pre-Master’s program at the TU/e.

k. study component
a component of the degree program aimed at achieving clearly defined goals concerning knowledge, insight, skills, and/or competency development with an associated examination or CA.

l. OSIRIS
The educational administration system in which the administration of students is maintained by the Departmental Center of Student Administration during the registration period.

m personal development plan (PDP)
a document aimed at planning and directing the development of students’ competencies on a continuous basis. This is done by setting goals based on learning experiences reflection.

n. practical exercise
an educational activity in one of the following forms:
- writing a thesis,
- undertaking a project or an experimental design,
- carrying out a design or research assignment/project,
- doing a literature study,
- doing an internship,
- making a (public) presentation,
- taking part in fieldwork or an excursion,
- conducting tests and experiments,
- writing a position paper,
- taking part in other practical educational activities designed to acquire specific skills.

The educational activity in question, is part of a study component that is finalized with an exam or a CA, or a study component.

o. professional skills
non-disciplinary skills required in a professional environment by a successful Master’s graduate

p. response term
the Examination Committee must decide within four weeks of having received a request, unless the request was made after the Examination Committee meeting held in June. Such requests are processed in the August meeting.
Program and Examination Regulations MSc Construction Management and Engineering 2019-2020 according to the Graduate School

**q. pre-Master’s program**
- a program to eliminate deficiencies and after completion grants admission to a particular Master’s program.

**r. pre-Master’s student**
- Student who are required to follow a pre-Master’s program to eliminate deficiencies before being admitted to the Master’s program.

**s. written**
- where the term ‘written’ is used, digital communication (e-mail) or digital examinations are implied too.

**t. student**
- a person taking a degree program at TU/e who is enrolled in the degree program this OER is related to, in accordance with the applicable TU/e Regulations ‘Registration, Study Choice Check, Enrollment and Termination of Enrollment’.

**u. academic year**
- the period that starts on September 1 and ends on August 31 of the following year.

**v. study workload**
- the expected number of hours of study required to successfully complete a degree program or study component. The study workload is expressed in credits, where 1 credit is equals to 28 hours.

**w transfer student**
- students who, during the academic year prior to the academic year for which they registered, were enrolled at TU/e (internal transfer student) or elsewhere at an institution for higher education or university education (external transfer student)

**x. examination**
- connected to a study component and concerns an investigation into the knowledge, insight and skills of students, as well as an assessment of the results of that investigation.

**y. working day**
- one of the weekdays, i.e. Monday through Friday, with the exception of public holidays recognized by the Dutch government, and days on which the university is closed.

**z. WHW**
- Higher Education and Scientific Research Act (WHW).

*The other terms used within these regulations have the meaning ascribed to them by law.*

**Art 1.3 TU/e Code of Conduct for Scientific Integrity**

During enrollment students are held to the TU/e Code of Conduct for Scientific Integrity. In the first half of the program, the student must sign a statement¹ in the presence of the mentor indicating they shall act in accordance with the TU/e Code of Conduct for Scientific Integrity throughout the Master’s program. This statement must be submitted to the departmental Center of Student Administration (henceforth departmental CSA) by the students. An attachment is added at the beginning of the graduation project stating that students will act in accordance with the TU/e Code of Conduct for Scientific Integrity.
Program and Examination Regulations MSc Construction Management and Engineering 2019-2020 according to the Graduate School

When the graduation work is completed, a statement is attached indicating that the work was realized in accordance with the code of conduct.

Violation of this code of conduct may be reported to the Complaints Committee for Scientific Integrity at TU/e. This Complaints Committee decides who shall process the incident: the Complaints Committee or the Examination Committee of the respective degree program that deals with fraud in accordance with the stipulations of the Regulations for the Examination Committee.

1.4 Honors academy

There is an honors program for students who want an additional challenge. The regulations pertaining to this program are incorporated in the TU/e Honors Academy Regulations for Master’s Honors Tracks.

1.5 The digital learning environments

In various articles the names are used of the digital learning environments presently operative at the TU/e. If the digital learning environments are replaced during the course of the academic year, the new name of the learning environment should be read in the place of the old learning environment.

H 2 ADMISSION TO AND ENROLLMENT IN THE PROGRAM

Art 2.1 Admission and enrollment

1. Enrollment in the Master’s degree program is open only to those who have direct access to this program based on a Bachelor’s degree certificate, as specified in Appendix 1 under m, a proof of admission as referred to in paragraph 2 or who possess a statement issued by the Examination Committee of the Bachelor’s program in question.

2. Proof of admission will be issued by the Department Board on the basis of the applicable TU/e Admission Regulations for Master’s Programs.

3. Students who have followed a TU/e Bachelor’s program or a TU/e pre-Master’s program may be admitted to the Master’s program on the first day of the month, provided they meet the requirements and have been enrolled at the university for a continuous period. TU/e students who have completed a competency-centered Bachelor’s program and students who have completed a Bachelor’s program at a different university are admissible for enrollment in the Master’s program starting on September 1 and February 1 of each academic year, provided they meet the requirements. See also Appendix 1, under k.

Art 2.2 Following Master’s program study components without admission/enrollment

In accordance with Article 5.2 of the Program and Examination Regulations for Bachelor’s programs at TU/e, Bachelor’s students or Pre-Master’s students may participate in some study components of the Master’s program (without actually being enrolled in the Master’s program), provided the requirements have been fulfilled and permission to do so has been obtained from the Examination Committee of the relevant Master’s program. See also Article 4.3, paragraph 2 of these Program and Examination Regulations.
H 3 STRUCTURE AND CONTENT OF THE DEGREE PROGRAM

Art 3.1 Learning outcomes of the degree program

1. Graduates of the CME program are:

1. Competent in one or more scientific disciplines
   • Graduates are experts in at least one of the following areas and are able to maintain and expand their expertise (e.g. by consulting relevant literature or searching for connections).
     o Process engineering
     o Business engineering
     in the field of Architecture, Engineering, Construction and Operation management.
   • Graduates are able to combine management theory and technical knowledge. This ability covers the expertise areas and application fields listed above.

2. Competent in conducting research
   • Graduates are competent in acquiring new scientific knowledge through research or systematic reflection.
   • Graduates understand the potential benefits of research, and they are able to understand and incorporate the results of research into their own work.

3. Competent in designing
   • Graduates are able to contribute to the design of:
     o Complex construction specifications, or
     o Management processes
     in the field of Architecture, Engineering, Construction and Operation. This means:
   • Graduates have creativity and synthetic skills when designing construction specifications or management processes.
   • Graduates are able to translate technological concepts and developments into appropriate process innovations for Architecture, Engineering, Construction and Operation management.
   • Graduates are able to find a balance between possible solutions of complex requirements, technical possibilities, genuine interests of the parties involved and justified value creation on the scientific and operational level.

4. Scientific approach
   • Graduates have the habit of reflecting upon their own work, and they continuously use relevant information to improve their capabilities.
   • Graduates have an attitude that endorses their personal development and enhances their expertise.
   • Graduates know that models only approximate reality, and they are able to develop and use them adequately whenever it is beneficial to do so.
   • Graduates make decisions based on calculated risks, costs, time, quality, stakeholders’ participation, value creation and legislation, and they are able to evaluate these decisions.
Program and Examination Regulations MSc Construction Management and Engineering 2019-2020 according to the Graduate School

- The scientific attitude of graduates is not restricted to the boundaries of Architecture, Engineering, Construction and Operation management; they are able to cross these boundaries wherever and whenever necessary.

5. **Basic intellectual skills**
- Graduates are able to work independently.
- Graduates are able to work systematically and methodically.
- Graduates are able to reflect on the complete scope of Architecture, Engineering, Construction and Operation management issues, to analyze critically and to generate novel ideas.
- Graduates are able to invent their own tools, theories and techniques if they are not available.

6. **Competent in cooperating and communicating**
- Graduates are able to work effectively in the context of a multidisciplinary environment; they are able to manage complex assignments, and they can act in different roles, depending upon the situation (i.e. can take responsibility as members and/or as project leaders).
- Graduates know the importance of oral and written communication, particularly in English, and they can make effective use of these skills. This means that:
  - Graduates are skilled in the proper documentation and presentation of the results of scientific and design work, including the underlying knowledge, choices and considerations, to colleagues and to a broader public.
  - Graduates are competent in reasoning.
- Graduates adhere to existing academic conventions (e.g. giving proper credit and referencing).

7. **Considers the temporal and societal context**
- Graduates are able to form opinions or judgements and to contribute to discussions about complex matters related to Architecture, Engineering, Construction and Operation management.
- Graduates know that compromises are inevitable, and they are able to cope with them effectively.
- Graduates are aware of the societal disadvantages of certain decisions, and they can communicate them to the relevant parties (stakeholders).

**Art 3.2 Requirements specific to the degree program**

1. With reference to the program, Appendix 1 includes the following:
   a. the content of the degree program and the corresponding examinations
   b. the content of the tracks,
   c. the organization of the practical exercises,
   d. the study workload of the program and of each of the accompanying study components,
   e. the number and the prerequisites of the examinations or CAs, and the times at which they can be taken,
f. whether the program is offered as a full time and/or part time program,

g. whether examinations or CAs are to be taken orally, in writing or otherwise,

h. where necessary, that successful participation in examinations or a CA is a condition for admission to other examinations,

i. where necessary, the obligation to take part in practical exercises (as part of a study component) with a view to taking the examination or CA in question,

j. the study components from which the students must choose in order to complete the elective part of the degree program,

k. the number of opportunities to join the Master’s program,

l. the requirements for issuing a certificate of admission,

m. Bachelor’s degree certificates that provide direct access to the Master’s program,

n. the transitional arrangements as referred to in Article 7.1,

o. the way in which education in the degree program is evaluated and the results are made available to the relevant official bodies. The evaluation takes place through periodic course evaluations at the very least and by other degree program evaluations within the agreed TU/e formats.

2. Appendix 2 contains the rules and procedures for pre-Master’s programs.

3. Appendix 3 describes the contents of the pre-Master’s program.

4. Appendix 4 provides information regarding the regulations pertaining to the pre-Master’s program.

5. The appendices constitute an integral part of these Regulations.

Art 3.3 Language

The program is delivered entirely in English and the examinations, CAs and final examinations are administered in English.

Art 3.4 Structure of the degree program

1. The program is a coherent set of study components designed to achieve the learning outcomes of the program.

2. The program has a study load of 120 credits and is divided into various study components as stated in the applicable Guideline Revision of Master’s Programs Graduate School. Appendix 1 contains details on the degree program (see Article 3.2, paragraph 1, part a, in conjunction with Appendix 1, part a).

3. The program includes a diagnostic test of the students’ professional skills at the start of the program and a subsequent mentoring meeting during the first or second quarter.
Art 3.5  Mentor

1. Students will receive program-related supervision from a mentor from the degree program for the duration of the program. Students will be linked to a mentor no later than three months after the degree program has commenced, unless those students request acknowledgement of special circumstances by the Examination Committee.

2. A mentor:
   - supervises students in their choice of specialized elective study components and gives advice,
   - supervises students as they compose the rest of the program of examinations/PDP,
   - within the framework of developing professional skills, meets with the students to discuss the results of the professional skills diagnostic test (see Article 3.4, paragraph 3) and the professional skills development plan they have developed.

3. If students have not chosen to include a minimum of 15 credits worth of international experience in their program of examinations, they must discuss this with their mentor.

Art 3.6  Program of Examinations

1. A program of examinations is a coherent set of study components that makes up students’ degree programs. In competency-centered programs the program of examinations is operationalized in the PDP of students.

2. Students must choose the specialized study components and free elective study components at Master’s level included in Appendix 1 under j. The specialized elective study components are only added to the program of examinations/PDP after advice from the mentor. Within the free electives, a maximum of 15 credits of Bachelor’s study components may be used to compensate deficiencies (homologation study components).

3. Students must submit all electives and other study components that will make up their program of examinations/PDP to the departmental CSA before they start their graduation project. The graduation project is also included in the program of examinations. At the same time, students must submit their program of examinations including the advice issued by the mentor (as referred to in the previous paragraph), to the Examination Committee for approval. The Examination Committee must reach their decision within the response term and must indicate whether students may commence with their graduation project.

4. A decision to deny approval may not be made before students have been given the opportunity to be heard by the Examination Committee.

5. In making those program of examination choices, students must take account of <to be filled in by the program> or the profile, career prospects and/or the academic emphases or broadening they wish to incorporate in their program.
6. No later than six months after the start of their Master’s program, students must submit their provisional program of examinations, including the advice issued by the mentor, to the Examination Committee for information. When composing this personal program of examinations, students should consult with the mentor to ensure that sufficient coherence is achieved.

7. The Examination Committee checks the program of examinations for coherence and quality as well as to ensure it meets the requirements for a Master’s program. This involves the advice of the mentor.

**Art 3.7 Registering for and deregistering for study components**

1. A student can register for a maximum of 20 study credits of study components per quarter and take examinations or CAs in those study components. A student who wishes to register for more study components must obtain permission from the Examination Committee.

2. For study components there is a registration deadline of up to five working days before the first quarter and twenty working days before the second, third and fourth quarter. For students who wish to register for study components that are completed by means of a CA, registration must take place no later than June 1 for the first quarter and no later than December 11 for the third quarter through OSIRIS.

3. If students decide not to participate in a study component for which they have registered, they are required to deregister in OSIRIS before the start of a quarter.

**Art 3.8 Registering for a study component after the registration term**

1. A student who fails to register for a study component within the period specified in Article 3.7 shall not be allowed to participate in the study component, unless the student has paid administration costs totaling €20 per study component no later than 5.00 pm on the Thursday prior to the beginning of teaching in the first quarter, or no later than fifteen working days prior to the beginning of teaching in the second, third or fourth quarter. After payment of the administration costs students are immediately registered unless the maximum capacity for a course has been reached.

2. In cases of force majeure, at the discretion of the ESA Director, it may be decided that the student who reports after the terms mentioned in paragraph 1 may nevertheless be registered for a study component. In addition, the ESA Director may waive the administration costs stated in paragraph 1.

3. In the case of a situation as described in Article 3.7, paragraph 3, no supplementary administration costs will be incurred.

4. In the case that (in the end) due to force majeure, the student cannot participate in a study component for which administration costs have already been paid, the fee will be refunded.
Art 3.9 Flexible degree program

1. A student who is enrolled in a degree program may select study components from a university to compose a curriculum that involves a final examination, as referred to in Article 7.3h of the WHW.

2. A substantiated request for permission to take a flexible program must be submitted to the Examination Committee of the program in which the student is enrolled no later than twelve weeks before the relevant teaching begins.

3. The Examination Committee shall decide on the request within the response term. If necessary, at the request of the Examination Committee, the Executive Board can delegate this decision to the Examination Committee of another program.

4. A decision not to grant the approval will only be taken by the Examination Committee after the student in question has been given an opportunity to be heard. The decision must be substantiated with arguments.

5. The decision shall state the degree program to which the flexible curriculum is deemed to belong.

6. The Examination Committee may deviate from the deadline set in paragraph 3 in special cases and must communicate this to the student.

Art 3.10 Exemption

1. Students are eligible for an exemption (VR), if the Examination Committee has determined that a study component does not need to be taken because of the stipulation in paragraph 4. This means the respective credits are allocated without a grade.

2. A written request for an exemption from an examination or a CA, or a practical exercise must be submitted to the Examination Committee.

3. The request must include all documents reasonably needed for an assessment of whether the students in question can be granted an exemption.

4. The grounds on which the Examination Committee can grant an exemption for taking a particular examination, CA or for a practical exercise are exclusively related to the level, the content and the quality of the examinations or CA the students in question have already passed, or to the students’ knowledge, insight, skills or competencies acquired outside higher of education.

5. An exemption cannot be granted for a Master’s study component passed as part of the curriculum of a Bachelor’s program. If this Master’s study component is a compulsory component of a certain track within a Master’s program, the Examination Committee should indicate an alternative component within the track, or to provide permission for a substitute study component chosen by the students.

6. In addition to the above, at the request of the students, study components successfully completed may be transferred to a different TU/e degree program retaining the grade and
Program and Examination Regulations MSc Construction Management and Engineering 2019-2020 according to the Graduate School

date of examination, if this refers to transfer students or intra-university transfer students within TU/e Master’s programs.

7. The Examination Committee shall decide on the request for exemption within the response term.

8. A decision not to grant an exemption shall only be taken by the Examination Committee once the students have been given an opportunity to be heard. The decision must be substantiated with arguments.

9. The decision to grant an exemption for taking an examination or a practical exercise shall correspond to the grade ‘sufficient’ and be marked: VR (exemption). A decision to grant exemption from a CA corresponds with the assessment “sufficient competency development” and is indicated as ‘EX’.

10. Conditions that apply to the granting of exemption are set out in the Regulations of the Examination Committee.

H 4 TESTING

Art 4.1 Frequency, structure and sequence of examinations and CA

1. Annually, before August 15, the Department Board will determine a timetable for written examinations and CAs in the first and second quarter, which will be published no later than August 15.

2. In special cases, the Department Board may deviate from the timetable referred to in the previous paragraph, yet no later than eight weeks before the written examinations or CA take place. The Department Board must inform the students of the change without delay, giving reasons.

3. Examinations to be administered orally or parts of a CA to be performed orally will be administered at a time determined by the examiner, wherever possible in consultation with the students in question.

4. There shall be at least two opportunities per study component in each academic year to take exams or CAs.

5. If a study component is removed from the curriculum, at least two more opportunities shall be given to take the examination in that study component during the first academic year in which the study component is no longer taught.

6. Notwithstanding the provisions of paragraph 4, at least one opportunity will be given in each academic year to take an examination for any study component not taught in that academic year. This does not apply to competency-centered programs.

7. In special cases, the Examination Committee may decide to deviate from the determined number of times an examination or CA may be taken, and from the form and the sequence in which that examination is taken.
Art 4.2  **Oral examinations and oral parts of a CA**

1. No more than one student shall be given an oral examination or CA component at a time.

2. When an oral examination or CA component is taken, two authorized teachers or an authorized teacher and a subject specialist shall be present.

3. Oral examinations or CAs shall be administered publicly.

4. In special cases, the Examination Committee may deviate from the provisions in the previous paragraphs of this article.

Art 4.3  **Participation in and registration for exams**

1. Students must be enrolled in a degree program in order to take the examinations or a CA offered by that program, taking into account the sequence specified in Appendix 1 under e, h and i.

2. The Examination Committee may grant permission to Bachelor’s and pre-Master’s students to take specific Master’s components without being enrolled in that program, as long as the requirements have been met as stated in Article 5.2 of the Program and Examination Regulations of the Bachelor Program. The following paragraph shall apply mutatis mutandis to participation in the examination. See also Article 2.2 of these Program and Examination Regulations.

3. For both an exam as well as a CA, registration for the study component in question automatically results in registration for the exam or CA. In all other cases, students wishing to take part in a centrally organized written examination must register through OSIRIS, no later than ten (10) working days before the scheduled date of the relevant examination period. Students can register for examinations from August 15 preceding the start of the academic year for the first and second quarter and December 15 for the third and fourth quarter. The registration and closing dates shall be made known annually by ESA.

4. Students are obliged, before or during the examination or a CA, and at the request of the examiner or the invigilator, to identify themselves by showing their campus card.

5. Students who do not bring a campus card can also identify themselves using a valid means of identification. Students who are unable to do this, will not be permitted to take part in the examination or a CA.

6. Student who have already taken an examination three times, or a CA two times, without passing should consult the academic advisor before registering for the examination in question again or before automatic enrollment in the case of the CA, to discuss how the problem is to be addressed on the basis of a study plan drawn up by the students.

7. For implementation of paragraph 6 of this article, students who register for an examination or a CA but fail to turn up, or who do not hand in the completed examination work/CA deliverables before the deadline, will be deemed to have failed the examination or a CA.
8. The work of students who take part in an examination or a CA without having registered for it will not be assessed. In such cases, the students shall be deemed not to have taken the examination or a CA.

9. If there are extenuating personal circumstances that prevented the students from registering for the examination or CA in time, the Examination Committee can decide that the examiner must assess the students’ work after all.

10. The Examination Committee determines whether students fulfil the conditions for admission to the examination or a CA.

11. In exceptional circumstances, the Examination Committee can permit students to take an alternative examination to the centrally organized examination or a CA.

Art 4.4 Registering for exams after the registration period has passed

1. Students who fail to register for an exam within the period specified in Article 4.3 paragraph 3 shall not be allowed to participate in the exam, unless the students have paid administration costs totalling € 20 per study component no later than five working days before the examination period. After payment of the administration costs the students are immediately registered.

2. In cases of force majeure, at the discretion of the ESA Director, it may be decided that students who register after the terms mentioned in paragraph 1 may nevertheless be registered for an exam. In addition, the ESA Director may waive the administration costs stated in paragraph 1.

3. In the case that students cannot participate (after all) in a study component, due to force majeure, for which they have already paid administration costs, the fee will be refunded.

Art 4.5 Withdrawal

1. After registering for an examination, students can withdraw no later than five working days before the examination period, by notifying ESA through OSIRIS.

2. With reference to Article 4.3, paragraph 6, students who withdraw within five working days before the examination period shall be deemed to have failed this examination.

Art 4.6 Assessment of examinations and CA

1. The assessment of examinations and practical exercises and CAs is carried out by one or more examiners.

2. The results of examination, practical exercises and CA will be determined for individual students, and may be divided into a number of components.

   a. The assessment of an examination, as well as the investigation mentioned in Article 5.1, paragraph 2, shall be expressed in whole numbers on a scale of 0 to 10 or with “exemption” (EX) or Not met requirements (NMR).

   b. The assessment of practical exercises is expressed in tenths or using the designations Failed (FL), Sufficient (PA), Good (GO), Very Good (VG), Completed (GN), or No Show (NS).
c. The results of a CA are expressed in one of the following statements:
   - Hold (H): insufficient and not promoted.
   - Conditional Hold (C): insufficient and not promoted unless conditions for the promotion, as stated by the examiner are met.
   - Promotion (P): sufficient and promoted.
   - Promotion with excellence (E): excellent performance and promoted with excellence.

d. If the exam is divided into a number of components, the subject description in the course catalogue shall describe those components and indicate how they count with respect to the final grade.

e. The assessment of the graduation project shall be rounded to the nearest half grade on a scale of 0 to 10. The graduation project is considered successfully completed if it is assessed with a final grade of 6 or more (an assessment with a grade of 5.5 or lower means not successfully completed). The assessment of professional skills that are completed during graduation are part of the assessment of the graduation project. The course catalogue indicates if and when interim evaluations of the Master’s thesis take place.

f. Meeting the requirements of professional skills as well as having passed all study components belonging to a curriculum is a formal requirement for admission to assessment of the graduation project.

3a. Students pass an examination by scoring a 6 or higher on the examination or with a grade of VR (exemption).

b. Students pass a practical exercise as a study component if the grade is 6 or higher, or with an assessment of PA, GO, VG or DN or, in the case of an exemption, EX.

c. Student complete a CA successfully if the verdict is P-verdict, or respectively an E-verdict or an EX has been awarded.

4. If students register for an examination or a CA but fail to appear, fail to submit the a CA deliverables before the deadline, have not withdrawn in time and/or did not show up at the CA related activities, they will be deemed to have failed the examination or a CA under the provisions of paragraph 5 of Article 4.3, paragraph 7, and the examination result and CA outcomes will be marked as a "No Show" (NS). The final grade is then ‘Not met requirements’ (NMR).

5. If students have committed fraud, the examination result, in accordance with Article 4.3, paragraph 6, will be deemed “failed” (FL) and CA outcomes as not promoted (H).

6. The assessment standards are announced no later than immediately before the start of the examinations, CAs or the practical exercises as a study component. The weight of the individual questions will be announced immediately before the start of a written test or an examination. In exceptional cases, the examiner may decide to adjust the weight of the questions after the examination.
7. The method of assessment should enable students to ascertain how the results of the examinations, CAs or the practical exercises as a study component were determined.

8. The Examination Committee has the authority to declare an examination null and void for individual students or for all students who took the exam at that time in case of serious irregularities.

Art 4.7 Determining results/marketing periods

1. The examiners shall determine the result of a written examination as soon as possible but no later than 15 working days after the examination has taken place such that the final grade is specified in OSIRIS.

2. The examiners shall determine the results of an oral examination no more than one day later and will communicate these immediately to the students. The examiners will determine the final CA verdict within five working days of the presentation and will communicate the verdict to the students.

3. In the case of examinations or CA taken in other than oral or written form, the Examination Committee shall determine beforehand how and within what period the students will receive a written statement giving the result.

4. The examiners will determine the result of a practical exercise that serves as a study component as soon as possible, but no later than fifteen working days after it has been submitted or, if a deadline has been agreed, fifteen working days after this deadline, and they will communicate the mark (or final mark) to the students.

If a term or date has been determined for the submission of a practical exercise and if the students have not submitted the practical exercise on time due to extenuating personal circumstances, the Examination Committee can, on the students’ requests, decide to have the practical exercise assessed anyway.

5. If the examiners in question are unable to meet the requirements in the previous paragraphs due to special circumstances, they shall notify the Examination Committee, stating the reasons. The students involved will immediately be informed of the delay by the Examination Committee, and of the term within which the results will be made known.

6. Students shall be informed of the result of the examination or a CA by or on behalf of the Examination Committee, in written or electronic form.

7. When they receive their results or a CA outcome, students will be informed of their rights of inspection, as referred to in Article 4.8, the opportunity to evaluate the examination, as referred to in Article 4.9, and the opportunity to submit an objection to the Examination Appeals Board.

8. In the case of exceptional circumstances, the examiner may alter the grade of an examination previously determined within four weeks of its initial announcement both to the advantage or disadvantage of the students.
If the alteration to the final grade has consequences for the completion of the Master’s program or for a certificate already issued, the examiner must consult the Examination Committee before taking a decision.

9. The examination or a CA will be dated in accordance with the date on which the written or oral examination is administered or the CA is completed. An examination in the form of a practical exercise shall be dated in accordance with the date on which the final report is submitted or the date of the presentation, or, if there is no report or final presentation, the day on which the practical exercise is completed.

Art 4.8 Right of inspection for written examinations

1. Students shall be given the opportunity, on request, to inspect their assessed work up to at least 20 working days after the announcement of the result of a written examination. At the students’ request, a copy of the assessed work will be provided.

2. During the term mentioned in paragraph 1, any interested person may, on request, inspect the questions and assignments of a given examination, as well as the standards on which the assessment was based.

3. Within five working days after the request for inspection has been received, the examiner shall announce the venue and the time of the inspection referred to in paragraphs 1 and 2.

4. If students or interested persons can prove that they were prevented from appearing at the fixed place and time through no fault of their own, they shall be offered another opportunity, if possible within the term mentioned in paragraph 1 of this article.

Art 4.9 Evaluation

As soon as possible after the announcement of the result of an oral examination, or the CA outcomes, at the request of the students concerned or on the initiative of the examiner, an evaluation will take place between the examiner and the student. In such cases, the assessments given shall be substantiated. An examiner can organize a collective evaluation.

Art 4.10 Term of validity and retention periods

1. In principle, examination results and a CA outcome are valid for an unlimited period.

2. If an examination result or a CA outcome is older than six years and the examined knowledge or examined insight is demonstrably dated, or if examined skills are demonstrably dated, however, the Examination Committee may require that the students take a supplementary or alternative examination or a CA.

3. Written examinations must be retained for at least two years following determination of the grade, with the exception of homework assignments.

4. (Three-dimensional) projects must be retained for at least six weeks after the grade has been determined but, in any event, for the duration of any objection and appeal procedures.
Internship reports, graduation reports, portfolios CA deliverables and theses produced in completion of the Master’s program must be retained for at least seven years.

**FINAL EXAMINATIONS**

**Art 5.1 Final examinations**

1. The Examination Committee determines the results of the exam and issues the certificate as referred to in Article 5.3 as soon as the students have met the requirements of the examination program. The Examination Committee invites the students for a meeting to issue the degree certificate unless, on the grounds of paragraph 5, the student has asked the Examination Committee to delay awarding the certificate. The result of the final examination shall be “passed” or “withdrawn and the results attained shall be retained”. If students have taken an examination or a CA more than once, the Examination Committee shall take into account the highest grade obtained in determining the result of the final examination.

2. Assessment of the examination dossier is part of the final examination. The date of the final examination shall be the date on which the students carried out the final program activity (see Article 4.7, paragraph 9).

3. In order to pass the final examination, the students must obtain the ‘sufficient’ grade and/or Promotion-(P) or Promotion with excellence (E) for all components, in compliance with the exemptions granted and the compensation arrangement from Article 4.2 of the Regulations of the Examination Committee. The Examination Committee can determine, under conditions established by the Committee itself, that not every examination has to be passed in order for students to pass the final examination (see Article 4.3 of the Regulations of the Examination Committee).

4. A further condition for passing the examination and receiving the degree certificate is that the students were enrolled for the TU/e degree program in question at the time the examinations were taken.

5. Students who have passed the final examination, and are eligible for the award of a degree certificate, can ask the Examination Committee to delay awarding it. This request must be submitted no later than two weeks after the students have been informed of the final examination result. The request must specify when the students wish to receive the degree certificate. The Examination Committee shall in any event comply with the request if the following situations apply:

   - the students are planning to take an extra study component that will be included in the diploma transcript, and/or
   - the students want to try to graduate with the cum laude classification and want to re-take examinations for certain study components to this end

**Art 5.2 Frequency of final examinations**

There shall be monthly opportunities to take the examination with the exception of July. Competency-centered programs offer two opportunities per year to take the final
examination. The dates of the Examination Committee sessions shall be announced by the Examination Committee before the beginning of the academic year.

Art 5.3 Certificate and transcript

1. The degree certificates for each program shall be awarded in public unless, in exceptional cases, the Examination Committee decides otherwise.

2. The degree certificate shall, in any event, contain the information specified in Article 7.11, paragraph 2, of the WHW, together with the qualifications specified in Article 5.4 of these regulations. If applicable, the degree certificate should also state that the students have met the competency requirements as referred to in Article 36 of the Secondary Education Act.

3. When the degree certificate is awarded, the student shall also receive a transcript. One degree certificate is awarded per student for each degree program.

4. The transcript shall contain the information specified in Article 7.11, paragraph 3, of the WHW, as well as the grades obtained for parts of the final examination and, if required, for other study components that are not part of the examination, if the students in question have passed the examinations for those study components before the Examination Committee determines the final examination result. If applicable the transcript shall state for which school subjects and for which level of secondary education the holder is authorized to teach (Article 33 and 36 of the Secondary Education Act).

Art 5.4 Special qualifications for the Master’s program

1. The Examination Committee may award the classification “cum laude” to certificates of students who started their degree programs before September 1, 2019 under the following conditions:
   - they achieve an mathematical average of 8.0 or higher for the assessments of study components that belong to the program of examinations, and
   - a grade of 9.0 or higher for the graduation project, and
   - none of the study components belonging to the degree program may have a grade lower than a 6.0.

2. Other supplementary qualifications may be added for students who started their degree program before September 1, 2019.

3. The Examination Committee may award the classification “cum laude” to students who started their degree programs on or after September 1, 2019 under the following conditions:
   - they achieve a weighted mathematical average (based on credits) that is a unrounded 8.0 or higher in relation to the study components takes by students that belong to the program of examinations, with exception of the graduation project,
   - they have a grade of 9.0 or higher for the graduation project, and
   - none of their study components belonging to the program of examinations has a final grade lower than a 6 and
they must finish the final examination within 32 months of the commencement of
the degree program.

The examination committee may deviate from this latter requirement in special
cases. To assess the student’s request, the Examination Committee can take into
account the extenuating personal circumstances as referred to in Appendix 2,
Article 5 of these regulations.

H 6 STUDIO COUNSELING AND STUDY PROGRESS

Art 6.1 Study counseling

1. The Department Board shall provide counseling to students for several matters, including
orientation on specializations and other options inside or outside the degree program,
including appointing one or more academic advisors.

2. The academic advisor will advise students, either on request or on the advisor’s own
initiative, on all the aspects of the degree program, and will ensure, partly based on the
students’ study progress and whenever necessary, adequate referral to the qualified
bodies of TU/e, to ESA student advisors and/or student counsellors or TU/e confidential
counselors.

Art 6.2 Monitoring study progress

1. The Department Board will ensure that the examination results and CA outcomes of the
individual students are registered and made known in good time in OSIRIS.

2. Where appropriate, the Department Board will organize a discussion of the results
between the students and their academic advisor of the degree program the students are
taking.

3. The academic advisor will inform students who fall behind in their studies
of the
opportunities to receive extra support or measures that may need to be taken to limit the
delay as much as possible.

Art 6.3 Studying with a functional impairment

1. Students wishing to request an adjustment to the way of teaching or examinations or CAs,
or for special facilities because of a permanent or temporary functional impairment,
should submit such a request to ESA in writing before they are scheduled to take part in
the program or the exams or CAs. The request should be submitted twelve weeks in
advance if possible, but in any event no later than five weeks in advance.

2. The request should be accompanied by any documents reasonably required to assess the
request. These should include at least a recent statement from a physician or psychologist
or from a remedial educationalist registered with BIG (Individual Health Care Professions),
NIP (Dutch professional association of psychologists) or NVO (Association of
Educationalists in the Netherlands). If possible, the statement should provide an
estimation of the extent and likely duration of the functional impairment.

3. ESA will send students’ requests accompanied by the recommendations of the student
counselor to the Department Board in so far as the request relates to facilities. In the
event that the request relates to granting adaptations to enable the students to take an examination or CAs, ESA will send the students’ request and the related recommendations to the Examination Committee.

4. The decision regarding adaptations or the granting of facilities shall be taken by the Department Board or the Examination Committee, respectively, no later than twenty working days after the request has been received. The Department Board shall care for the quality and level of the teaching and examinations.

5. Any adaptations shall be attuned as much as possible to the individual’s functional impairment. Facilities provided may consist of adjustments to the individual situation of the form or duration of the teaching and/or examinations, or CAs, or of the provision of practical aids.

H 7 TRANSITIONAL ARRANGEMENTS AND FINAL PROVISIONS

Art 7.1 Transitional arrangements

1. If these regulations, including the Annex, are amended, the Department Board shall, if necessary, make a transitional arrangement. The transitional arrangement shall be incorporated in the Appendix to these Regulations.

2. The transitional arrangement shall always include:
   regulations regarding exemptions that may be obtained based on examinations already passed, and
   the term of validity of the transitional arrangement.

Art 7.2 Amendments

1. Amendments made to these regulations shall not apply in the current academic year if they unduly harm the interests of students.

2. An amendment of these regulations may not backdate any decision already taken in regard to students.
APPENDICES

Appendix 1 to Article 3.2, paragraph 1 of the Program and Examination Regulations for the Master's Degree Program in Construction Management and Engineering

a. Content of the degree program and related final examination

The program consists of a number of core courses. These core courses are mandatory for the core program.

The program of examinations of a student consists of
- the core programs (70 ec)+
- 35 ec electives, mentor’s advice is required (specialization electives) +
- 15 ec electives, mentor’s advice not required (free electives).

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<tr>
<th>Compulsory core study components (70 EC)</th>
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<tr>
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<td>7ZM8M0 Collaborative Design</td>
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Specialization electives (35 EC)

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<td>7ZW7M0 Urban Research Methods</td>
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<td>7M900 Fundamentals of BIM</td>
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<tr>
<td>1ZM20 Technological Entrepreneurship</td>
<td>5</td>
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<tr>
<td>1ZM120 Entrepreneurial marketing</td>
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</table>

Free electives (15 EC)

b. Content of the tracks

The degree program contains the following tracks with the corresponding study components, course code and credits: N.A.

c. Organization of practical exercises

The following study components include practical exercises in the sense of Article 1.1., in the form indicated. This information is listed in OSIRIS.

d. Study load of the degree program and of each of the study components it comprises

The minimum study load of the program is 120 credits. The study load of the study component is indicated under a.

e. Number and frequency of the examinations, CAs and practical exercises

The program has examinations and practical exercises, which are administered in the order indicated in the course catalogue. This information is listed in OSIRIS.
f. **Form of the degree program**

   The program is a full-time program.

g. **Format of examinations/CA**

   The examinations of the study components listed under a. will be taken in written form, unless stated otherwise in the course catalogue. This information is listed in OSIRIS.

h. **Conditions for admission to the examinations/CA**

   All examinations/practical exercises may be taken and completed in any order desired, apart from the graduation project, which marks the conclusion of the program. Students may start a Graduation Project if:
   - the student has at least accumulated 50 ECTS and no more than 30 remain, and
   - the Examination Committee has approved the study plan of the student.

i. **Participation in practical exercises or CAs**

   The examinations of the following study components may not be taken until the corresponding practical exercises have been successfully completed. This is stated in the course catalogue in OSIRIS.

j. **The study components from which students must choose for the elective part of their degree programs**

   For the elective part of their degree programs, students must make a choice from the following study components which should include an internship and/or an international experience worth at least 15 credits:
   - All other master study components from TU/e
   - Courses from 4TU-CME, TUD and/or UT
   - a maximum of 15 credits of Bachelor’s study components of sufficient level to be determined by the Examination Committee.

   The student must be able to gain international experience without this causing any study delay.

k. **The number of opportunities to join the program**

   Internal intake: Students who have completed a Bachelor’s degree at TU/e may join the Master’s program on the first day of the month following successful completion of the Bachelor’s degree audit. The same applies to students who have completed a pre-Master’s program that provides admission to the Master’s program. Students of competency-centered Master’s learning programs may only join on September 1 or February 1 (see Regulations for ‘Registration, Study Choice Check, Enrollment and Termination of Enrollment’).

   Other intake: As of September 1, 2012, students may join the Master’s program on at least two dates: September 1 and February 1, in which a two-year program is offered that is manageable. External transfer students and rematriculators, namely those who have not completed a Bachelor’s degree at TU/e or who have not been enrolled at this university for a continuous period, may enroll in the Master’s program on September 1 and February 1 of each academic year, provided they meet the requirements (see
Program and Examination Regulations MSc Construction Management and Engineering 2019-2020 according to the Graduate School

Regulations for ‘Registration, Study Choice Check, Enrollment and Termination of Enrollment’).

I. Admission requirements for issuing proof of admission

The admission requirements for the Master’s degree program correspond to qualities relating to the knowledge, insight, skills or competencies that students have acquired when they have finished their Bachelor’s degree program Architecture, Urbanism and Building Sciences (the preceding Bachelor’s program).

Admission of foreign students:

Command of the English language
- TOEFL (Test of English as a Foreign Language): a minimum score of 21 for each section, and an overall band score of at least 90 points
- IELTS (International English Language Testing System), academic version: a minimum score of 6.0 for each section, and an overall band score of at least 6.5
- A minimum score C for Cambridge CAE or CPE.

The level of education of the foreign institution in which the students’ completed pre-university education must minimally be comparable to that in the Netherlands.

Level of knowledge or level of competency development: students must have acquired sufficient knowledge on the basis of the study components they have studied abroad or must have developed their competencies sufficiently. In order to be admitted to a Master’s program, their knowledge level must be comparable to that of Dutch students. See the Regulations for Admission to Master’s Programs at Eindhoven University of Technology for the way in which this is assessed.

m. Bachelor’s degree certificates that provide direct access to the Master’s program

The following Bachelor’s degree certificates from the TU/e provide direct access to the Master’s program:
- BSc degree in Architecture, Urbanism and Building Sciences
- BSc degree in Industrial Engineering
- BSc degree in Sustainable Innovation.

n. Transitional arrangements

N.A.

o. The way in which education in the degree program is evaluated and the results are made available to the relevant official bodies

The degree program shall describe the process of quality care in the departmental quality care plan, as determined by the Program Committee.
Appendix 2 to Article 3.2, paragraph 2 of the Program and Examination Regulations for the Master’s Degree Program in Construction Management and Engineering.

Rules concerning the pre-Master’s program

PRE-MASTER’S PROGRAMS

Art 1 Enrollment and admission

1. The admission and registration for a pre-Master’s program relating to a Master’s program chosen by students are open to those in possession of Higher Vocational Education (hbo) degree certificate or a university Bachelor’s degree certificate from a university as well as a maximum of a 30-credit deficiency to be able to follow the Master’s program. If the certificate has not yet been actually awarded, the prospective students may still enroll in the pre-Master’s program on condition that in due time before the start of the pre-Master’s program the students are in the possession of a statement by the Examination Committee of the institution in question declaring that they have fulfilled the conditions for obtaining the university or hbo degree.

2. Students will be admitted to their chosen Master’s programs only after they have successfully completed the study components of the pre-Master’s program.

3. The registration period as included in the applicable Regulations for Registration, Academic Career Check, Enrollment, and Termination of Enrollment shall apply for re-registration in the pre-Master’s program.

Art 2 Conditions for the pre-Master’s program

1. A pre-Master’s program is a maximum of 30 credits. The study components belonging to a pre-Master’s program must be scheduled within maximally two semesters from the moment of enrollment.

2. For students who have a Higher Vocational Education (hbo) degree certificate of a degree program
   - listed in Appendix 3, the pre-Master’s program encompasses a maximum of 30 credits
   - b. not listed in Appendix 3, the Departmental Admissions Committee shall determine if the deficiency is 30 credits.
   If this is the case, the Departmental Admissions Committee shall decide whether admission to and enrollment in the regular pre-Master’s program is permitted.

3. If the deficiency of students with a university degree certificate is maximally 30 credits, the Departmental Admissions Committee determines the size and content of the applicable pre-Master’s program no later than August 15. If there is a second registration period for the pre-Master’s program as of February 1, the pre-Master’s program must be determined before January 15.

4. There shall be at least two opportunities per study component in a period of two semesters to take final tests or CAs.

5. If students with prior education at university have a deficiency of a maximum of 15 credits, the departmental Admissions Committee determines whether the students must follow a pre-Master’s program or that the subjects can be taken within the Master’s program.
Program and Examination Regulations MSc Construction Management and Engineering 2019-2020 according to the Graduate School

6. If students cannot complete the pre-Master’s program within six months of the start of the program and therefore are placed at a demonstrable disadvantage, and have obtained a minimum of 15 credits at that time, the students may submit a request to expand the program with a maximum of 15 credits worth of Master’s study components. The credits obtained for Master’s study components during the pre-Master’s program shall be recorded on the students’ Master’s transcript as exemptions.

Art 3 Curriculum for pre-Master’s students

1. A program of examinations is a set of study components that constitute students’ degree program (in this case, the pre-Master’s program). In competency-centered Master programs, the program of examinations is operationalized in the PDP of the students.

2. Before the start of the pre-Master’s program, the departmental CSA shall give all pre-Master’s students a program of examinations. In competency-centered programs study components are laid down in the PDP of the students.

3. The composition of the pre-Master’s program for students of an adjoining Higher Vocational Education (hbo) program is included in Appendix 3.

4. Individual pre-Master’s programs may be composed for pre-Master’s students with a university background.

Art 4 Study progress requirement for pre-Master’s students

1. All pre-Master’s students must complete the pre-Master’s program within the term set for the program (maximally two semesters). If students do not meet this requirement, they shall not be admitted to the same or another pre-Master’s program that belongs to the same Bachelor’s program for a period of three years. In special cases the Examination Committee may deviate from this.

2. The study progress requirement does not apply to students who have submitted a request to the ESA to withdraw before December 1 (if it is a pre-Master’s program that can be completed in one semester) or before March 1 (if it is a pre-Master’s program that can be completed in two semesters) and who have not re-registered for another pre-Master’s program at TU/e.

Furthermore the academic progress requirement does not apply to students who have submitted a request to the ESA to withdraw who started February 1 and before May 1 (if it is a pre-Master’s program that can be completed in one semester) and did not re-register for another pre-Master’s program at TU/e or do not re-register as of September 1 (if it is a pre-Master’s program that can be completed in two semesters).

3. Pre-Master’s students shall receive a written pre-recommendation from the Examination Committee on their study progress at the mid-point of the determined term. This pre-recommendation serves as a warning in the event that the student is making insufficient study progress.

4. Within the determined term (maximally two semesters), students shall receive a binding written study progress decision from the Examination Committee relating to their continuation of the pre-Master’s program. The study progress decision is:

a) positive if the pre-Master’s students have passed the complete pre-Master’s program within the determined term, and it is
b) negative if the pre-Master’s students have failed to meet the provisions stated under a). Any credits obtained from Master’s study components do not count in this regard. The pre-Master’s students shall not be allowed to continue the pre-Master’s program.

5. In the event of extenuating personal circumstances, as referred to in Article 5, the Examination Committee determines when the standard must be satisfied.

6. Students who still have to successfully complete one study component can make a single request for one additional opportunity to complete the study component from the Examination Committee during enrollment as pre-Master’s students, preferably directly after not receiving a pass during the resit.

7. If students have not met the academic progress requirement, their enrollment is terminated at the beginning of the next month.

Art 5 Personal circumstances

1. When a study progress decision is issued, any acknowledged extenuating personal circumstances are taken into account.

2. Extenuating personal circumstances include the following:
   a. illness, physical, sensory or other forms of functional impairment, or pregnancy;
   b. exceptional family circumstances;
   c. membership or presidency of the University Council, the Department Council, a program board or committee, or membership of the board of a foundation whose statutes allow for the operation of facilities or services intended for students, or a body that, in the opinion of the Executive Board, has equivalent status considering its tasks;
   d. membership of the board of a student organization of a reasonable size and with full legal status, or of a comparable organization of reasonable size, where priority is given to promoting the general common interest and activities are genuinely performed to that end;
   e. other personal circumstances than those described in a to d that would lead to unreasonable hardship if they were not taken into account.

3. The extenuating personal circumstances referred to in the previous paragraph will only be taken into account if they are reported to the academic advisor as soon as possible and no later than twenty working days after they arise, by or on behalf of the students. In the case of pregnancy, the students must give notification as soon as possible, once she knows she is pregnant, but preferably no later than three months before the due date.

4. Students who wish extenuating personal circumstances to be taken into account must submit documentary proof that these circumstances exist or existed. The documentary proof must be submitted to ESA.

5. The academic advisor shall report extenuating personal circumstances in writing as soon as possible to the relevant Examination Committee, if students have given permission for this.

6. The Examination Committee shall ask the Central Committee on Extenuating Personal Circumstances for advice on the extenuating personal circumstances submitted by students.
Program and Examination Regulations MSc Construction Management and Engineering 2019-2020 according to the Graduate School

7. In its letter of intent to issue a negative study progress decision, the Examination Committee must specify, giving reasons, whether extenuating personal circumstances can be recognized and what consequences this has for the students concerned.

Art 6 Application of the Program and Examination Regulations for the Bachelor’s program within the Bachelor College

1. These Program and Examination Regulations apply to Master’s study components (with exception to pre-Master’s study components) that are included in the program of examinations of pre-Master’s students.

2. The pre-Master’s program contains study components belonging to a Bachelor’s program within the Bachelor College, as well as pre-Master’s study components belonging to the Graduate school. The following articles from the Program and Examination Regulations of the Bachelor’s Program shall apply mutatis mutandis for these study components:

- Article 3.8 registration for and withdrawal from study components
- Article 3.9 registration for study components after the appointed time limit for registration
- Article 5.1(with the exception of paragraph 3) frequency, form and sequence of interim tests and final tests
- Article 5.3 oral final tests and CA components
- Article 5.4 participation in and registration for examinations
- Article 5.5 resits
- Article 5.6 withdrawal
- Article 5.7 assessment if examinations and Cas
- Article 5.8 determining results/marking periods
- Article 5.9 right of inspection for written (final) tests
- Article 5.10 evaluation
- Article 5.11 term of validity and retention periods
- Article 7.1 student counseling (general)
- Article 7.2 academic advisor/monitoring study progress/study planning
- Article 7.8 studying with a functional impairment
Appendix 3 to Article 3.2, paragraph 3 of the Program and Examination Regulations for the Master’s Degree Program in Construction Management and Engineering

Contents of pre-Master’s program

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Admissible to the pre-Master’s program

Add list of programs that allow direct access to the pre-Master’s program

HBO B BOUWKUNDE
HBO B BOUWTECHNISCHE BEDRIJFSKUNDE
HBO B BUILT ENVIRONMENT
HBO B CIVIELE TECHNIEK
WO B CIVIELE TECHNIEK TU DELFT EN TWENTE
Appendix 4  Explanatory notes to the Program and Examination Regulations for the 2019-2020 Master’s program relating to pre-Master’s programs

In connection with the inclusion of the rules concerning the pre-Master’s program in Appendix 2 of this OER, additional information is provided below.

Art 1  Enrollment and admission

In order to participate, students must at least possess a Bachelor’s degree or Master’s degree from a university (or a statement from the Examination Committee that they meet the requirements to obtain a Higher Vocational Education (hbo) degree certificate or university degree before September 1 but that the degree certificate has not yet been issued) and has a maximum deficiency of 30 credits. Appendix 3 states the hbo programs that allow direct access to the pre-Master’s program. Pre-Master’s students must register through ‘Studielink’ before May 1 for the pre-Master’s programs that they would like to follow.

Art 2  Conditions for the pre-Master’s program

Students with a degree certificate from a hbo program, as stated in Appendix 3, who request registration for a pre-Master’s program are directly admissible. Before commencement of the program, the students must pay a fee for this. If the hbo program is not listed in Appendix 3, or the students have a prior university background, the Departmental Admissions Committee shall assess what the level of deficiency is of students. For a deficiency that exceeds 30 credits, the students shall not be admitted to a pre-Master’s program and shall be advised to enroll in the preparatory Bachelor’s program. For a deficiency with a maximum of 30 credits, the students must register for a regular pre-Master’s program. For students with previous university training who have a deficiency of 15 credits or fewer, the departmental Admissions Committee determines whether they are directly admissible to the Master’s program and must remedy the deficiencies within the Master’s program. See paragraph 1 of this article.

The Departmental Admissions Committee shall establish the pre-Master’s programs to be followed by students, based on the registration application and prior education of university Bachelor’s or Master’s students, as stated in paragraph 2 of this article. The Committee will do this after having given the students the opportunity to state the reasons that they consider themselves eligible for admission to the pre-Master’s program and whether they would like to apply for exemptions based on competencies, knowledge, insight, or skills acquired elsewhere. Before commencement of the pre-Master’s program, the students shall pay a fee. For regulations pertaining to this, please refer to the applicable Regulations for Registration, Academic Career Check, Enrollment, and Termination of Enrollment. This also applies to the Master’s study components the students are allowed to take on the basis of paragraph 5.

Paragraph 3 states that at the request of students and with approval of the Examination Committee students may expand their pre-Master’s programs with a maximum of 15 credits worth of Master’s study components if the students
  - cannot complete the pre-Master’s program within six months of its commencement due to the scheduling of study components
  - and 15 credits within the pre-Master’s program have been completed
and the Examination Committee has grounds to believe the students have sufficient prior knowledge to participate in Master’s study components. Students who have been granted permission to take additional study components will receive confirmation from the Examination Committee, which will also notify the ESA and the departmental CSA. The departmental CSA will add these study components to the program of examinations, as referred to in Article 3.

**Art 3**

**Program of Examinations for pre-Master’s students**

Students may not take or be examined in study components that are not part of the program of examinations. The students can only register for those study components that are included in their program of examinations. They must therefore be careful to ensure that their program of examinations includes the study components that they would like to take and that they are allowed to take.

University students, as referred to in paragraph 4, are students with previous training that has been assessed by the Departmental Admissions Committee to be equivalent to three years of scientific education in the Netherlands.

**Art 4**

**Study progress requirement for pre-Master’s students**

Since the introduction of the Bachelor-before-Master rule, pre-Master’s students may no longer be admitted to a Master’s program until they have completed the pre-Master’s program. For this reason, a study progress requirement for pre-Master’s students has become part of the regulations. These students must complete the pre-Master’s program within the set term (maximally two semesters). Students who have been issued with a negative study progress decision may not re-register for the same TU/e program to which the pre-Master’s program belongs for a period of three years.

At the mid-point of the pre-Master’s program, the department may issue a provisional positive or negative recommendation, known as a pre-recommendation. If students receive a provisional negative pre-recommendation, this gives them a reasonable term in which to meet the study progress norm.

If students do not successfully complete the first year of the pre-Master’s program, they shall receive a negative decision.

In the case of a postponed recommendation, the Examination Committee may establish an amended norm, in accordance with paragraph 5.

The Examination Committee may grant pre-Master’s students one additional opportunity to take an exam, if the Examination Committee is of the opinion that the students will be able to complete the pre-Master’s program by means of this extra opportunity to take an exam.

**Art 5**

**Extenuating personal circumstances**

Extenuating personal circumstances may play a role when issuing a study progress decision. These personal circumstances correspond to those that may play a role when issuing a binding recommendation on the continuation of studies. They are laid down in Article 2.1 of the 2008 WHW Implementation Decree. This article describes the procedure by which the students can put forward personal circumstances, if applicable. In order to assess those personal circumstances, the Examination Committee will seek
the advice of the Central Committee on Personal Circumstances. Based on this advice, the Examination Committee will decide whether a postponed binding recommendation, as referred to in Article 3.4, applies.

Art 6  Application of the Program and Examination Regulations for the Bachelor’s program within the Bachelor College

Students who will be following a pre-Master’s program will be registered in a Bachelor’s program that prepares for a Master’s program. The Program and Examination Regulations for this Bachelor’s program shall thus also apply to the Bachelor’s study components taken by the students.
Appendix 5

As referred to in Article 3.2, paragraph 5 of the Program and Examination Regulations for the Master’s Degree Program in Construction Management and Engineering.

Certificate programs
If a student wants to get one of the certificates Building Design & Technology (BD&T), Construction Technology (CT) or Circular Design (CD), the following courses must be part of his program of examinations. The study load of the program of examinations of this student must be 125 EC.

Certificate courses BD&T

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Certificate courses CD

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