

EDUCATION AND EXAMINATION REGULATIONS

BACHELOR'S PROGRAMME

INDUSTRIAL DESIGN ENGINEERING

2024 – 2025

PREFACE

This document is part of the student charter for Industrial Design Engineering (CROHO no. 56955).

The Dutch Higher Education and Research Act (*Wet op het hoger onderwijs en wetenschappelijk onderzoek*, WHW) requires a broad outline of the teaching programme and examining for each degree programme to be recorded in the Teaching and Examination Regulations (EER).

In accordance with Section 7.13, Paragraph 1, of the WHW, the EER must contain sufficient and clear information about the degree programme to which they apply. Section 7.13, Paragraph 2, of the WHW lists those subjects that must, as a minimum, be stipulated in the EER with respect to procedures, rights and responsibilities relating to the teaching and examinations that are part of each degree programme. The WHW also includes a number of separate obligations relating to the inclusion of rules within the EER.

The EER is subdivided into two sections (Section A and Section B). Section A, which can be seen as the university section, includes provisions that apply to all Bachelor's degree programmes. Section B contains the provisions that are specific to the IDE Bachelor's.

Rights can be derived from both the Industrial Design Engineering EER by students enrolled in the Industrial Engineering Design Bachelor's.

This document is meant when reference is made to an Article in this regulation. When reference is made to the law in an Article, the Higher Education and Research Act is meant, unless stated otherwise.

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EDUCATION AND EXAMINATION REGULATIONS

GENERAL SECTION

INDUSTRIAL DESIGN ENGINEERING

2024-2025

ARTICLE A1.1 APPLICABILITY OF THESE REGULATIONS

1. This general section of the education and examination regulations applies to all students enrolled in the bachelor's programmes Industrial Design Engineering.
2. Students attending courses that are not part of the student's core programme (see Article 1.2) are subject to the rules laid down in the appropriate documents, such as the assessment rules laid down in the assessment schedule of the relevant study unit, or the rules laid down in the programme specific part of the EER of the coordinating degree programme. The decision on special facilities in accordance with Article 5.2 may only be taken by the examination board of the programme for which the student is enrolled.
3. Each programme has its own programme-specific part.
4. For each programme, this general section and the programme-specific part together form the education and examination regulations for the bachelor's programme concerned.
5. The general section and the programme-specific part of the education and examination regulations are determined by the faculty board.
6. The institute section of the [student charter](#) includes a definition of what the University of Twente considers to be academic misconduct (fraud). The rules and regulations of the examination board for the bachelor's programme in question include additional rules about academic misconduct (fraud), such as which measures the examination board may take if it establishes misconduct (fraud).
7. The rules and regulations of the examination board of the bachelor's programme in question include provisions about the rules of order during tests and rules in case of emergencies.
8. The following applies in respect of the language used in the education and examination regulations and the rules and regulations of the examination board:
9. In case of uncertainty or discrepancy, the Dutch version of this general section is binding.
10. English versions of the programme-specific part of the education and examination regulations and the examination board's rules and regulations should be available for English-taught bachelor's programmes.
11. Where the programme-specific part of the EER and the rules and regulations of the examination board of the bachelor's programme concerned are available in both Dutch and English, each version must, for the sake of clarity, state which version is binding.
12. Requests for exemptions in respect of provisions laid down in the education and examination regulations should be submitted to the examination board or the programme director of the student's own bachelor's programme, as laid down in the relevant articles of these Regulations.

ARTICLE A1.2 DEFINITIONS

The terms used in these Regulations should be interpreted as follows:

Academic year:	The period beginning on 1 September and ending on 31 August of the following year.
Assessment schedule:	A schedule showing the method of assessment for a module.
(Binding) recommendation on continuation of studies (Bindend studieadvies, BSA):	<p>A recommendation on continuation of studies as referred to in Article 7.8b, paragraph 1 and 2 WHW involving expulsion from the programme in accordance with Article 7.8b, paragraph 3 WHW, issued by the programme director on behalf of the institutional administration.</p>
Canvas	University of Twente's digital learning environment.
Core programme:	The same study units from the curriculum that apply to all the students following a programme. The minor phase is excluded.
Credit:	A unit of 28 study workload hours, in accordance with the European Credit Transfer System. A full-time academic year consists of 60 credits, equal to 1680 hours of study (Article 7.4 WHW).
Curriculum:	The aggregate of required and elective study units constituting a degree programme as laid down in the programme-specific part.
Degree programme:	Bachelor's degree programme as referred to in the programme-specific part to these education and examination regulations.
Examination:	An evaluation, performed to conclude a study unit, of the student's knowledge, understanding and skills as well as an assessment of the outcomes of that evaluation (Article 7.10 WHW); an examination may consist of a number of tests.
Examination Board:	The body that objectively and professionally assesses whether a student meets the conditions laid down in the education and examination regulations regarding the knowledge, understanding and skills required to obtain a degree (Article 7.12 WHW).
Examiner:	The individual appointed by the examination board to administer examinations and tests and to determine the results, in accordance with Article 7.12 paragraph c WHW.
Exemption:	The decision of the examination board that the student has knowledge and skills which are comparable in terms of content, scope and level with one or more study units or components of study units. An exemption is granted based on acquired competencies, i.e. previously passed examinations in higher education or in view of knowledge and skills attained outside higher education.
Faculty Board:	Head of the faculty (Article 9.12, paragraph 2 WHW).
Final examination:	A degree programme is concluded with a final examination. If the study units in the degree programme have been completed successfully, then the final examination will be deemed to have been completed (Article 7.10 WHW).

Higher Education and Research Act (abbreviated to 'WHW'):

The Higher Education and Research Act, Bulletin of Acts and Decrees 1992, 593, and its subsequent amendments.

Honours Programme: Institution-wide bachelor's Honours programme.

Institution: University of Twente (Universiteit Twente).

Institutional administration: The Executive Board of the University of Twente (Article 1.1 WHW).

Minor phase: Elective space conferring 30 credits that the student can also fill with offer outside the programme.

Module: A total of 15 credits of one or more study units, in which the student's programme-specific knowledge, skills and attitude are developed and assessed as far as possible in an integrated and/or coherent manner. A module can be coherent or integrated, or a mix of those. The programme specific part states if a module is integrated, coherent or mixed¹.

Coherent: A coherent module consists of study units that together comprise 15 credits. Each study unit is concluded with an examination, resulting in receiving a grade and obtaining credits when that study unit is successfully passed.

Integrated: An integrated module consists of one study unit of 15 credits. That study unit contains one or more tests, resulting in one grade for the study unit, in this case the module. All tests of an integrated study unit must be successfully passed in order to obtain the credits.

Mixed: A mixed module consists of multiple study units.

MyTimetable/TE viewer: The application used at the University of Twente to view and download the timetable of the study programme.

Osiris: System designated by the institutional administration for registration and for providing information on all relevant data related to the students and the degree programme, as referred to in the WHW.

Practical exercise: A practical exercise as referred to in Article 7.13, paragraph 2d WHW is a study unit or a study unit component emphasising an activity that the student engages in, as described in the programme-specific part.

Programme Committee (OLC): Committee referred to in Article 9.18 WHW.

Programme Director: The person appointed by the faculty board to administer the programme (Article 9.17 WHW).

Student: Anyone enrolled in a programme in accordance with Article 7.34 and 7.37 WHW.

¹ In accordance with the information on the website for students about organisation of education and modules
www.utwente.nl/en/educational-systems/about-the-applications/osiris/manuals-for-students/#about-modules .

Study advisor:	Person appointed by the faculty board who acts as contact between the student and the university, and in this role represents the interests of the student, as well as fulfilling an advisory role.
Study unit:	A programme component as defined in Article 7.3, paragraph 2 and 3 WHW. Each study unit is concluded with an examination. An examination can consist of multiple tests.
Study workload:	The time an average student needs to learn the course material. The study workload comprises project work, independent study, lectures and writing assignments, for example. The study workload is expressed in ECTS credits according to the European Credit Transfer System.
Test:	An evaluation of the student's knowledge, understanding and skills as well as an assessment of the outcomes of that evaluation. A test is part of an examination. If the examination for a study unit consists of a single test then the result of that test will count as the result of the examination. A test can consist of subtests.
Teaching period:	The period in which a study unit is offered. This period starts in the first week in which an educational activity takes place for the study unit concerned and ends in the final week in which an educational activity takes place and/or a test is administered for the study unit concerned. Resits are not part of the teaching period. This period may sometimes not be the same as a quarter (a quarter of an academic year).
UT:	University of Twente.
Working day:	Any day from Monday to Friday with the exception of official holidays and the prearranged compulsory holidays ('brugdagen') on which the staff are free.

The definition of all other terms used in these Regulations is in accordance with the definition accorded by the main text of this document, the programme-specific part of the EER, the student charter or the WHW.

Article A2.1 FINAL ATTAINMENT LEVELS AND STRUCTURE OF THE PROGRAMME

Explanatory notes: Article 7.13 WHW

1. The qualities relating to the knowledge, understanding and skills that the student should have acquired upon completing the programme (aims and learning outcomes) are set out in the programme-specific part.
2. The programme consists of 180 credits.
 - a. The programme consists of a core programme of 120 credits, a minor phase of 30 credits and a graduation phase totalling at least 15 credits.
Exceptions are the Advanced Technology and Technical Medicine programmes, which have electives instead of minors, or have no minors, but do have a core programme of more than 120 credits.
 - b. The core programme of the educational programme is specified in the programme-specific part.
 - c. The core programme consists of modules.
 - d. Before the start of a study unit, the student must meet the prior knowledge prerequisites for that study unit, as described in the Osiris Course Catalogue.
 - e. Students generally complete their minor phase in the first semester of their third year of study.
 - f. The programme for which the student is enrolled may set conditions for the number of credits required to be eligible for admission to the minor course. These conditions are specified in the relevant programme-specific part.
 - g. Students are limited in their choice of minor by the provisions of paragraph d and f. The choice of minors available can be viewed on the [minor website](#).
 - h. In principle, the second semester of the third year of studies is devoted to the graduation phase, which comprises a minimum of 15 credits.
 - i. The student must have completed the core of the bachelor's programme to be admitted to the graduation phase.
 - j. The examination board² is authorised in individual cases to deviate from paragraph d, f, h and i, if strict adherence to those provisions would result in an unacceptable delay in study progress. In consultation with the study adviser, the student may submit a proposal to the examination board for this.
3. The programme-specific part describes the degree programme in accordance with Article 7.13, paragraph 2, a to e, i, l, s, t and v WHW.

² It is important that the student is still able to achieve the final attainment levels of the programme. In light of this consideration, this authorisation has been formally conferred to the examination board, as they are the ones to ensure that a student who achieves the final attainment levels is able to graduate.

Article A2.2 THE PROGRAMME'S LANGUAGE OF TUITION

1. The official language of tuition is the language in which education is given, in which teaching material is provided and in which tests and examinations are held. Bachelor's programmes taught in Dutch will generally use study materials in English or Dutch.
2. The choice of the official language for an educational programme or components of an educational programme lies with the programme director, subject to the right of consent of the programme committee. The educational programme's language of tuition is specified in the programme-specific part.
3. If programme components deviate from the language of tuition, then this is to take place in accordance with the Code of Conduct for Languages of the University of Twente and Article 7.2 WHW.
4. For bachelor's programmes taught in Dutch, components of study units may be taught and assessed in English, if:
 - a. a lecturer or tutor in the unit of study is not a native speaker of Dutch, or
 - b. students from the relevant bachelor's programme take the module together with students from an English-taught bachelor's programme, or
 - c. the programme director considers it necessary in order to fulfil one of the attainment targets or objectives of the educational programme in question in the area of English language communication skills.

Article A2.3 EXEMPTION

1. The examination board may grant an exemption to students at their request for one or more examinations or tests. To this end, the student should demonstrate having sufficient knowledge and skills in relation to the examination concerned or the test in question.
2. An exemption granted by the examination board will be registered in Osiris under the study unit or study units, or components thereof, by means of an EX (exemption).
3. Students cannot be compelled to take additional study units or components of study units in their curriculum instead of an exemption that has been granted.
4. Students may also be exempted from practical exercises if they can demonstrate that a required practical exercise will likely give rise to a personal moral dilemma. In such cases, the examination board will determine whether the component can be completed in another manner and in what way.

Article A2.4 INDIVIDUALISED PROGRAMME

The examination board decides on requests for permission to take an elective programme as referred to in Article 7.3h WHW. The examination board assesses whether an elective programme is appropriate and consistent within the domain of the educational programme and whether the level is high enough in light of the attainment targets of the programme.

SECTION A3 TEACHING AND ASSESSMENT

Article A3.1 GENERAL

1. Each study unit concludes with an examination.
2. The examination consists of one or more tests.
3. A test or examination may take several forms, e.g. a written test, an assignment, an oral test, practical exercises or a combination of the aforementioned. Tests and examinations can be administered online.
4. The programme director publishes at least the following details of the study units in Osiris not less than four (4) weeks in advance: scope, learning objectives and content, language of tuition and assessment, prerequisites, required and recommended study materials, design of teaching methods and assessment.
5. The possibility of unconditional access to at least one resit³ must be offered for each study unit in the same academic year. An exception may be made for practical exercises (such as practical classes and projects).

Article A3.2 ONLINE ASSESSMENT

1. If an examination or test is administered using online surveillance⁴ or online proctoring⁵ the examination board may set further rules and conditions for online (proctored) assessment.
2. Further information and detailed rules on online assessment can be found on the [university's website](#).

Article A3.3 RESULTS

1. Results of examinations, tests or components of tests must be announced to students. Osiris is used for the formal⁶ registration of grades for examinations and in some cases also for tests.
2. The student has the right to inspect model test questions, such as akin tests, past tests, or tutorial assignments that are representative of the test or examination, as well as their keys and the norm for assessment.
3. The time allotted to administering a test may not exceed three hours. Exceptions in this regard are listed in section 7.2.
If the examiner wishes to use a form of assessment that requires more than three hours, the examiner must, with due regard for article 3.1.4, ask the examination board for approval to deviate from the above.
4. Test results are expressed in a grade from 1 to 10 with a single decimal, or as 'pass' / 'fail'.

³ This means resits of all the tests within a study unit.

⁴ Camera surveillance of the student or students during an unrecorded test, using for example Canvas, Teams, etc.

⁵ Surveillance of the student or students using special *proctoring* software, such as Proctorio.

⁶ In case of any discrepancy between results published in Osiris and results communicated via any medium other than Osiris (e.g. Canvas, email), the results in Osiris will prevail. Article 8.2 still applies.

5. The examination result of a study unit, as determined by the examiner, is expressed in half grades from 1.0 to 5.0 and from 6.0 to 10.0⁷, with grades only being rounded in the final phase⁸ of the assessment of a study unit and in accordance with the schedule below:

If figure before the decimal (n)≠5	
Grade ≥ n.00 and <n.25	⇒ n.0
Grade ≥n.25 and <n.75	⇒ n.5
Grade ≥n.75 and <(n+1).00	⇒ (n+1).0
If figure before the decimal =5:	
Grade ≥ 5.00 and < 5.50	⇒ 5.0
Grade ≥ 5.50 and <6.00	⇒ 6.0

6. Examination results of 6.0 or higher are a pass.
7. Examination results, if a pass, obtained at foreign universities will be registered as a P (*pass*). Examination results obtained at Dutch universities will be adopted one-to-one, with due regard for the provisions in paragraph 5.
8. Credits may only be issued for a study unit if the study unit has been completed with a pass mark.
9. If more than one examination or test result has been recorded in Osiris for one and the same unit of study, the highest grade will apply.

Article A3.4 MODULES

- Each module has a module coordinator, appointed by the programme director.
- If a module comprises a single study unit then the examiner of that study unit will also be the module examiner.

Article A3.5 REGISTRATION

- Registration in Osiris is required prior to participating in a module or study unit⁹.
- Upon registering for the module or study unit, the student will automatically be registered for the assessments associated with the teaching period of the module/study unit. student will automatically be registered for the assessments associated with the teaching period of the module/study unit. The student is automatically de-registered from the resit opportunity if a sufficient grade is obtained for the first test opportunity. In such case, students still have the opportunity to re-register for the resit on their own initiative if they wish to make use of that resit opportunity, despite having obtained a sufficient grade for the first test opportunity.¹⁰

Article A3.6 DESCRIPTION OF MODULES AND ASSESSMENT SCHEDULE

- The programme-specific part contains a description of each module.

⁷ In Osiris, a comma is used, based on the Dutch grading system (e.g. 7,0).

⁸ Final phase: when all grades are known.

⁹ The applicable registration deadlines are mentioned on the webpage www.utwente.nl/en/education/student-services/education/courses-and-modules/.

¹⁰ www.utwente.nl/en/ces/sal/exams/participants/.

2. The module description must include:
 - a. the study units comprising the module and the number of related credits;
 - b. if applicable¹¹, the number of tests and their relative weighting;
 - c. the language of tuition and assessment (Dutch-language programmes only);
 - d. the manner in which the examinations and/or tests are sat (oral, written or an alternative manner).
3. The assessment schedule of a module is drawn up by the examiner or examiners and is determined by the programme director. The examination board provides advice on the assessment schedule.
4. The assessment schedule must be published in Canvas at least two weeks before the start of the module.
5. The assessment schedule of a module must include:
 - a. how the learning objectives of the module or the study units of the module are assessed and when they are attained;
 - b. the period of validity of the result of the test or tests;
 - c. in which weeks examinations, tests, resits and discussions (Article 3.10) are held (the precise times and dates will be announced via *My-Timetable/TE viewer*);
 - d. any required minimum grade per test; a minimum grade for a test may not be set higher than 5.5;
 - e. if applicable: information on resits (such as conditions, compensation options and grading periods).
6. The programme director may modify the assessment schedule during the module or study unit:
 - a. The assessment schedule may only be changed in consultation with the module coordinator and the examiner of the study unit.
 - b. The programme director will consult the examination board before any changes to the form or manner of administering an examination or one or more tests. If the change only involves moving tests to a timeslot other than as shown in the timetable, the programme director will inform the examination board of the decision as soon as possible.
 - c. Students are to be informed immediately of the change.
7. Changes to the assessment schedule may not put students at an unreasonable disadvantage. The examination board may take special measures in individual cases.

Article A3.7 ORAL EXAMINATIONS

1. If the student or the examiner wishes a third party to be present when administering an oral examination, then a request to this end must be submitted to the programme director at least fifteen working days prior to the oral examination. The student and the examiner will be notified of the

¹¹ As with integrated modules or larger study units.

programme director's decision not less than five working days in advance. The programme director must inform the examination board of the decision. Public graduation symposia, public presentations and group tests are excluded from this provision.

2. If the examination board has decided that members of the examination board or an observer on behalf of the examination board is to be present during the administration of an oral examination, then the examination board is to make this known to the examiner and the student at least one working day before the oral examination.

Article A3.8 ASSESSMENT DEADLINE, EXAMINATION AND TEST DATE

1. The examiner is to inform the student of the result of an oral examination within one working day, unless, for the examiner, the oral examination is part of a series of oral examinations of the same study unit which are administered on more than one working day. In that case, the examiner is to determine and announce the result within one working day following the conclusion of the series of oral examinations.
2. The result of a test is to be disclosed to the student within ten working days after the test date, with due regard for paragraph 8 below.
3. The examination result of a study unit is to be disclosed to the student within ten working days after the conclusion of the teaching period during which the study unit is offered.
4. The examination date is the date on which the test is taken with which the student definitively passes the study unit.
5. The test date is the date on which a written or oral test is taken.
6. If a test assessment is (among other things) dependent on completing one or more assignments or writing a paper or thesis, then the test date will be the deadline of submission of the final component (or the date of the last written or oral test).
7. If a test resit is planned shortly after the first test, the results of the first test will be published at least five working days before the resit to give the student time to prepare.
8. Should the examiner not be able to meet the deadline referred to in paragraphs 1, 2, 3, 4 and 7 due to exceptional circumstances, then the examiner is to notify the examination board, providing reasons for the delay. The student concerned is to be informed of the delay immediately, and a new deadline for publication of the results will be set and notified to them. If the examination board is of the opinion that the examiner has not met the obligations, it may appoint another examiner to ascertain the result of the examination or test and determine the grade.

Article A3.9 PERIOD OF VALIDITY OF RESULTS

1. The results of an examination that has been passed remain valid indefinitely¹². The period of validity of an examination that was passed may only be limited if the tested knowledge or understanding is demonstrably outdated or the tested skills are demonstrably outdated.

¹² More information for students about the organisation of education and modules: www.utwente.nl/en/educational-systems/about-the-applications/osiris/manuals-for-students/#about-modules.

2. Results of tests of a study unit that was failed expire after the academic year. The study unit must be repeated in its entirety in the next academic year. Any exceptions are listed in the programme specific part and mentioned in the assessment schedule in accordance with Article 3.6 paragraph 5.
3. If the period of validity of a result of an examination is limited as described in paragraph 1, at least the rules in Article 6.2 paragraph 6 of these regulations and Article 7.10 paragraph 4 WHW are taken into account by the examination board when assessing the extension of the limited validity period.

Article A3.10 RIGHT OF DISCUSSION AND INSPECTION

1. Student are entitled to discuss and review their test together with the examiner, and the examiner is to explain the assessment. This can be done individually or in a group setting, either in person or by using an online tool. The examiner chooses the setting of, methods of and tools for discussion.
2. Individual and group discussions must take place no later than five weeks after the publication of the test or examination results, but at least three working days prior to the next test opportunity, in the (online) presence of the examiner or a substitute designated for that purpose.
3. If the examiner organises a group discussion of the assessment, the student must use that opportunity to exercise the right to discussion referred to in paragraph 1. If a student cannot attend the group discussion or if the student is not given the opportunity at the group discussion to discuss the reasons for the examiner's assessment of the test with the examiner, the student may submit a request for individual discussion with the examiner no later than on the first working day following the group discussion. Students are informed about the group discussions and the aforementioned deadline. The individual discussion is to take place no later than three working days prior to the next test opportunity.
4. If there is no group discussion of the test, then a student may submit a request to the examiner for an individual discussion within ten days after publication of the results. The individual discussion is to take place no later than three working days prior to the next test opportunity.
5. Students are to be given the opportunity to inspect their assessed work for a period of two years following the assessment.

Article A3.11 RETENTION PERIOD FOR TESTS

1. The retention period for test assignments, keys, papers and the assessments of written tests is two years.
2. The retention period for final bachelor's projects is a minimum of seven years.

Article A3.12 TEACHING EVALUATION

1. The programme director is responsible for monitoring the quality of the educational programme.
2. The programme director is responsible for evaluating the programme.
3. The programme-specific part details how the education in the programme is evaluated.

SECTION A4 EXAMINATIONS

Article A4.1 EXAMINATION BOARD

1. In line with Articles 7.12a and 7.12b WHW:
 - a. the faculty board appoints an examination board for each educational programme or group of programmes;
 - b. examination boards determine the rules and regulations for the examiners, examinations and final examinations without further consultation.

Article A4.2 FINAL EXAMINATION AND DEGREE

Explanatory notes: Article 7.10, paragraph 2 and Article 7.11 WHW

1. The bachelor's final examination is considered to be complete when the student has passed all study unit examinations in the bachelor's programme. The examination board may, under conditions that it has set, determine that not every examination has to be completed successfully to determine that the bachelor's final examination has been successfully completed (Article 7.12b paragraph 3 WHW).
2. The date of the final examination is the date on which the student completes the final study unit of the degree programme.
3. A student may submit a written request, giving reasons, to the examination board to postpone the final examination, and thus to postpone the awarding of the diploma. The maximum duration of any postponement that can be granted is twelve months, in principle. In exceptional cases, the student may have valid reasons for requesting that the awarding of the diploma be postponed for more than twelve months.
4. If the student has requested postponement based on the provisions of paragraph 3, then the date of the examination will be the date on which the examination board decides that the student has passed the final examination subsequent to the postponement.
5. Students who have successfully met all requirements for the bachelor's final examination will be awarded a Bachelor of Science (BSc) degree.
6. The degree conferred is stated on the diploma.

Article A4.3 DIPLOMA

Explanatory notes: Article 7.11 WHW

1. The examination board will award a diploma as proof that the student has satisfied all the requirements of the final examination once the institutional administration has confirmed that the procedural requirements for awarding the diploma have been met. The date indicated on the diploma (i.e. the date of the final examination) is the date on which the student completed the final study unit of the degree programme.
2. The diploma will be signed by the chair of the examination board. If the Chair is absent, one of the members of the examination board may also sign the diploma.
3. The following information is to be stated on the diploma:
 - a. the student's name and date of birth;

- b. the name of the institution and the degree programme as stated in the register referred to in Article 6.3 WHW;
 - c. the date of the final examination;
 - d. the study unit components of the final examination;
 - e. the degree conferred (in accordance with Article 7.10a WHW);
 - f. where appropriate, the specific qualifications associated with the degree (with due consideration for Article 7.6, paragraph 1 WHW);
 - g. the date on which the programme was last accredited or the date on which the programme passed the new programme assessment (Article 5a.11 WHW).
4. An International Diploma Supplement is to be appended to the diploma. This supplement is intended to provide insight into the nature and content of the degree programme to promote the international recognition of the programme, among other aspects. The diploma supplement is to include the following information at a minimum:
- a. the name of the programme and the name of the university;
 - b. that the programme was offered at an institution for academic education;
 - c. a description of the programme content; an indication of any specialisation and/or minor, if applicable;
 - d. the study workload of the programme;
 - e. the final examination components and results, based on the registration of grades in Osiris;
 - f. examinations passed by the student that are not part of the final examination;
 - g. if the student has successfully completed an honours programme while on the bachelor's programme, then this fact will be stated on the diploma supplement as an extracurricular programme;
 - h. the student's average grade, weighted by credits (Grade Point Average, GPA). The diploma supplement indicates how the average grade is calculated.
5. The programme director determines if a special distinction (such as cum laude) is applicable to the degree programme, and determines the requirements to qualify for a special distinction. Information about the rules, requirements and considerations for awarding cum laude is available to the student upon starting the programme. Awarding the diploma and (the consideration for) awarding a distinction such as cum laude lies with the examination board¹³. If the examination board has awarded a specific distinction (e.g. cum laude) to the student, then this is to be mentioned on the diploma.
6. Students who have successfully completed more than one examination but cannot be awarded a diploma as referred to in paragraph 1, will receive, at their own request, from the Student Services Desk a statement prepared by or on behalf of the examination board which in any case will state the results of the examinations the student in question has passed.

¹³ Personal circumstances are taken into account. If it considers activism, an acknowledged fulltime board year is excluded from the calculation of the nominal study load for cum laude.

SECTION A5 STUDENT GUIDANCE

Explanatory notes: Article 7.13 paragraph 2u and Article 7.59 WHW

Article A5.1 STUDENT GUIDANCE

1. The student can request a certified study progress overview from the Student Services Desk if required. The faculty board is responsible for student guidance.
2. Student support and guidance includes 'decentralized' guidance, as provided within study programmes, and 'central' guidance, as provided by the Centre for Educational Support.
3. Student guidance includes guidance with questions or problems with regard to career orientation and career choices and guidance with problems that affect study progress. Students are offered personal and professional student (career) guidance for optimal study progress. Where possible, needs for specific guidance are met.
4. Each student is assigned a study adviser.
5. The study adviser supervises students and advises them on all aspects of the studies, also on personal circumstances that may be affecting the student's studies.
6. The opportunity for an introductory interview will be offered to each student before 1 November of the first year of enrolment in the programme.
7. A systematic method on how students are monitored and obstruction in study progress is signalled is documented by the programme (for example in a policy plan or an annual cycle).
8. Information about the guidance facilities of the study programme is in any case available on the website of the study programme.

Article A5.2 SPECIAL FACILITIES

1. If students wish to exercise their right to specific supervision or special facilities, they should contact the study adviser. The study adviser will record the agreements made with the student in Osiris.
2. A student is entitled to special facilities in case of demonstrable circumstances beyond the student's control or extenuating personal circumstances. The facility may provide for dispensation from or an additional opportunity to sit examinations or tests to be granted and/or for specific facilities to be made available. Such dispensation and additional resits may only be granted by the examination board.

SECTION A6 STUDENT PROGRESS EVALUATION (BSA)

Explanatory notes: Article 7.8b WHW

Article A6.1 PRELIMINARY RECOMMENDATION ON CONTINUATION OF STUDIES

1. Students will receive a preliminary recommendation on continuation of studies by calendar week 52 at the latest of their first year of enrolment in the programme and a second recommendation on continuation of studies by calendar week 10 at the latest. These recommendations can be positive, negative or neutral and are not binding. Students with a postponed recommendation on continuation of studies receive a warning in their second year of enrolment in the degree programme when their study progress is jeopardized.

2. Students who receive a negative recommendation on continuation of studies will be invited for an interview with the study adviser to discuss their study methods and review their choice of specialisation. A negative preliminary recommendation on continuation of studies is considered as a warning (Article 6.2, paragraph 4).
3. Deviation from paragraph 1 is only allowed in case a UT degree programme, offered at the Vrije Universiteit ('VU-UT programme'), wants to issue only one preliminary advice, since the VU works with semesters. All other rules still apply. If and how the programme deviates is described in the programme specific part.

Article A6.2 (BINDING) RECOMMENDATION ON CONTINUATION OF STUDIES

1. Students receive a written recommendation on continuation of studies, at the latest by the end of the first year of enrolment in the programme, about continuing their studies. This recommendation is based on the student's results: the student may be allowed to continue on the programme, or may be required to leave the programme, with due regard for Articles 6.3 and 6.4. The institutional administration mandates the programme director to issue recommendations on continuation of studies.
2. The recommendation on continuation of studies includes:
 - a. the results of examinations and tests from the first year of the programme that remain valid the following academic year;
 - b. the exemptions for examinations and tests in the first year that were granted to the student. The programme director may set programme-specific requirements which must be met. These requirements are specified in the programme-specific part. Programme-specific requirements may not state that all study units of a certain curricular course must be attained¹⁴.
3. The programme director may decide that a recommendation on continuation of studies should involve expulsion. A *recommendation on continuation of studies that involves expulsion* is referred to as a *binding recommendation on continuation of studies* (bindend studieadvies, BSA). The programme director will take the student's personal circumstances of which the university is aware into consideration when making a decision. The recommendation on continuation of studies may only involve expulsion if the programme director considers the student as not suited to the educational programme, or the student's results do not meet the required standard, i.e. if:
 - a. the student has obtained fewer than 45 credits of the first year, or
 - b. the student has obtained 45 or more credits of the first year, but does not meet the programme-specific requirements (as referred to in paragraph 2 of this article).

The decision notification relating to a binding recommendation on continuation of studies must inform the students of their right to file an objection and appeal via the Complaints Desk.

4. Before issuing a binding recommendation on continuation of studies, the programme director must first issue a warning to the student giving him/her a reasonable term in which to improve the course

¹⁴ For example: 'The student must pass all mathematics study units from the B1 programme' is not permitted, whereas 'The student must pass three of the four mathematics study units from the B1 programme' is permitted.

results, to the programme director's satisfaction (Article 6.1 paragraph 2), and the programme director will give the student the opportunity to be heard.

5. Students may file a request (supported by documentary evidence) for assessment of their personal circumstances to the Personal Circumstances Committee (CPO). This request is to be filed in consultation with the study adviser. The CPO will assess the validity, nature, severity and duration of the personal circumstances and will issue an advisory opinion on these matters. The CPO's advisory opinion, issued to the programme director and the study adviser concerned, will be taken into account in the programme director's decision-making referred to in paragraph 3.
6. Personal circumstances include illness, physical, sensory or other functional disability or pregnancy of the student involved, extenuating family circumstances, participation in top-level sports or arts and membership of the university council, faculty council, programme committee or a Category 3 or 4 board (student activism) in accordance with the FOBOS Regulations.
7. Students who have received a binding recommendation on continuation of studies (BSA) may not enrol in the same degree programme for a period of three consecutive academic years. If a student re-enrols in the relevant bachelor's programme after this period, this enrolment is designated as a first-year enrolment and the relevant provisions of this section apply in full.

Article A6.3 DISCONTINUATION OF THE PROGRAMME

1. The programme is considered to be discontinued if the student stops taking courses or any form of tests for the programme, and where the student:
 - a. submits a request to the University of Twente to terminate the enrolment, or
 - b. submits a request to terminate the enrolment for one programme at the University of Twente and enrolls in another programme at the University of Twente, thus switching to another programme at the University of Twente, or
 - c. continues the studies at another institute of higher education with a proof of tuition fees paid (*bewijs betaald collegegeld*, BBC).
2. A recommendation on continuation of studies will not be issued if the request to terminate enrolment is received through Studielink by 31 January in the first year of enrolment for the degree programme and the student does not re-enrol for the same programme in that same academic year. If the student re-enrols in the same bachelor's programme in a following academic year, this enrolment is designated as the first-year enrolment.
3. Students who de-enrol after 1 February for a degree programme at the University of Twente will receive a recommendation on continuation of studies, as referred to in Article 6.2 paragraph 1, from the programme they discontinued.

Article A6.4 POSTPONEMENT OF RECOMMENDATION ON CONTINUATION OF STUDIES

1. The recommendation on continuation of studies as referred to in Article 6.2 paragraph 1 may be postponed if:
 - a. the student has enrolled in the degree programme on or after 1 October of the relevant academic year and on 31 August at the latest has not met the norm, or
 - b. if personal circumstances preclude an assessment of the student's suitability at the end of the first year of enrolment in the degree programme.

In the event of postponement pursuant to the provisions under a), the recommendation on continuation of studies will be issued by the degree programme in which the student is newly enrolled.

2. If the student whose recommendation has been postponed re-enrols in a subsequent academic year in the same programme, the end of the second year of enrolment in the relevant programme at the latest will be the deadline for issuing the recommendation on continuation of studies. The student will in any event be notified in writing within six weeks of the date of enrolment before which date the programme will issue the final recommendation. The same norm as set out in Article 6.2 paragraph 3 applies to this recommendation.
3. If a student transfers to another UT degree programme prior to 1 October, then the recommendation on continuation of studies will not be postponed based on transfer and the norm will not therefore be adjusted as referred to in Article 6.2, paragraph 3.

SECTION A7 STUDYING WITH A FUNCTIONAL IMPAIRMENT

Explanatory notes: Article 7.13 paragraph 2m WHW and Article 2 of the Equal Treatment of Disabled and Chronically Ill People Act (WGBH/CZ),

Article A7.1 STUDYING WITH A FUNCTIONAL IMPAIRMENT

1. A functional impairment is defined as having an illness, condition, impairment or handicap that might impede or otherwise constitute a barrier to the student's academic progress.
2. Facilities are to be aimed at removing individual barriers in following the degree programme and/or when it comes to taking examinations and tests. These facilities may be related to access to infrastructure (buildings, classrooms and teaching facilities) and study materials, adjustments to the form of assessment, alternative learning pathways or a customised study plan.

Article A7.2 REQUEST FOR FACILITIES

1. The study adviser and the student concerned will discuss the most effective facilities that can be provided for the student.
2. Based on the discussion referred to in paragraph 1, the student is to submit a request for facilities. This request should be submitted to the study adviser, who has been mandated by the faculty board, preferably three months before the student is to participate in classes, examinations and tests for which the facilities are required.
3. The request should be supported by documents that are needed to enable an assessment to be made.
4. The study adviser will decide on the admissibility of the request and will inform the student of the decision within twenty working days after receipt of the request, or sooner if the urgency of the request dictates.
 - a. Should the request be granted, the period of validity will also be indicated.
 - b. If the request is not granted, or only partly granted, the study adviser will inform the student of the justification for not granting the request as well as the possibilities for filing an objection and an appeal with the Complaints Desk.

- c. Students who are dyslexic, will be granted a maximum of 15 extra minutes for each hour that a test or examination is officially scheduled.
5. The study adviser shall inform the relevant parties in good time about the facilities that have been granted.
6. The applicant and the study adviser will evaluate the facilities before the end of the period for which they have been granted. During this evaluation, the parties discuss the effectiveness of the facilities provided and whether they should be continued. No evaluation takes place of facilities granted to students because of the functional impairment dyslexia.

SECTION A8 AMENDMENTS, TRANSITIONAL ARRANGEMENTS, APPEALS AND OBJECTIONS

Article A8.1 CONFLICTS WITH THE REGULATIONS

If other additional regulations and/or provisions pertaining to education and/or examinations conflict with these education and examination regulations, the provisions in these education and examination regulations will prevail.

Article A8.2 ADMINISTRATIVE ERRORS

If, following the publication of a result, a marks sheet, or a student's progress report a manifest error is discovered, the discoverer, be it the university or the student, is required to make this known to the other party immediately upon finding the error and to cooperate in rectifying the error.

Article A8.3 AMENDMENTS TO THE REGULATIONS

1. Substantive amendments to these Regulations are enacted by the faculty board in a separate decision.
2. In principle, substantive amendments to these Regulations do not apply to the current academic year. Amendments to these Regulations may apply to the current academic year if the interests of the students are not prejudiced within reasonable bounds, or in situations of force majeure.
3. Amendments to these Regulations have no effect on earlier decisions by the examination board.

Article A8.4 TRANSITIONAL ARRANGEMENTS

1. In the case of amendment of these education and examination regulations, the faculty board will adopt a transitional arrangement, as necessary.
2. The transitional arrangement is to be published on the degree programme's website.
3. Changes to the curriculum are to be announced prior to the academic year in which the changes take effect. No guarantee can be made that all programme study units that were part of the curriculum when students enrolled in a programme will continue to be part of the curriculum. The final bachelor's examination is to be based on the curriculum most recently adopted by the faculty board.
4. The transitional arrangement will always include:
 - a) the study units, which have been dropped, that are equivalent to study units from the current curriculum as indicated in the programme-specific part;

- b) an indication that if a study unit that does not involve a practical is dropped from the curriculum, then students are to have at least two opportunities in the following academic year to take a written or oral test or examination or to undergo another form of assessment;
 - c) an indication that if a study unit with practical exercises is dropped from the curriculum and there is no opportunity in the subsequent academic year to complete the practical exercises concerned, then at least one study unit will be designated that may be completed as a substitute for the study unit that has been dropped;
 - d) the period of validity of the transitional arrangement.
5. The transitional arrangement must be approved by the examination board.
6. In exceptional cases and to the student's benefit, the examination board may deviate from the prescribed number of opportunities to sit examinations and/or tests related to study units that have been dropped from the curriculum.

Article A8.5 ASSESSMENT OF THE EDUCATION AND EXAMINATION REGULATIONS

1. The faculty board is responsible for the regular assessment of the education and examination regulations, with specific emphasis on the study workload.
2. Based on Article 9.18 WHW, the programme committee has a partial right of consent of and a partial right to be consulted on parts of the education and examination regulations.
3. The programme committee is responsible for the annual assessment of the manner in which the education and examination regulations are implemented.

Article A8.6 APPEAL AND OBJECTIONS

An appeal and objections must be submitted in writing to the [University of Twente Complaints Desk](#) within six weeks after notification of a decision to the student.

Article A8.7 HARSHIP CLAUSE

In cases of demonstrable unreasonableness and unfairness of a predominant nature, the examination board or the programme director may allow the provisions in these Regulations to be deviated from. This depends on which body is authorised or has the duty according to these Regulations to take a decision on or make an exception to a provision in these Regulations.

Article A8.8 PUBLICATION

The education and examination regulations and the examination board's rules and regulations are to be published on the degree programme's website.

Article A8.9 ENTRY INTO FORCE

These Regulations enter into force on 1 September 2023 and replace the Regulations dated 1 September 2022. Adopted on 18 August 2023 by the faculty board, having regard to Article 9.5, 9.15 paragraph 1a, 7.13 paragraph 1 and 2, 9.38b, 9.18 paragraph 1a and 7.59 WHW, and after approval by the faculty council.

EDUCATION AND EXAMINATION REGULATIONS

PROGRAMME-SPECIFIC PART

INDUSTRIAL DESIGN ENGINEERING

2024-2025

SECTION B1 GENERAL PROVISIONS

ARTICLE B1.1 APPLICABILITY OF THESE REGULATIONS

The regulations are part of the programme-specific component of the students' charter, including the Education and Examination Regulations (EER), of the Industrial Design Engineering bachelor programme of the University of Twente's Engineering Technology Faculty.

ARTICLE B1.2 DEFINITIONS

See Article A1.2.

SECTION B2 CONTENT AND STRUCTURE OF THE PROGRAMME

For students belonging to cohort 2023 and before, the content and the structure of the programme as outlined in the student charters of 2023 remain in effect.

ARTICLE B2.1 FINAL ATTAINMENT LEVELS AND STRUCTURE OF THE PROGRAMME

In addition to Article A2.1, the following programme-specific rules apply:

The qualities relating to the knowledge, understanding and skills that the student should have acquired upon completing the programme are as follows (Article A2.1.1 of the General Part):

1. The graduate can realise or modify products, services or systems, with the aim of creating value in accordance with predefined or identified needs, constraints, and requirements.
2. The graduate is familiar with contemporary design engineering knowledge and with relevant knowledge from adjacent disciplines. The graduate creates added value by the synthesis of the disciplines involved. The graduate has the ability to extend and develop their knowledge, also in preparation of life-long-learning.
3. The graduate is able to explore scientific knowledge through research in a purposeful, systematic and underpinned manner, while discerning, respecting, and engaging the various perspectives involved.
4. The graduate is able to use a structured approach, characterized by the development and use of theories, models and coherent interpretations. The graduate is a critical thinker who can relate to the mores within academia, industry and society.
5. The graduate is competent in reasoning, reflecting, and making judgements while dealing with uncertainties. They reflect on their own reasoning and decisions and can purposefully adjust these.
6. The graduate is able to collaborate and communicate with all stakeholders involved, and can engage in productive teamwork in a variety of roles in diverse teams. The graduate can convey information, ideas, and rationale effectively and efficiently. The graduate can present results of applied and scientific work - including the underlying knowledge, considerations, and choices - to peers and to others.
7. The graduate is aware of the historical development of the field of industrial design engineering and is able to incorporate temporal, societal and individual influences. The graduate can employ this in design decisions and in developing potential futures.
8. The graduate is a responsible industrial design engineer who can work in international and intercultural contexts, environments, and teams.

A) CONTENTS OF THE PROGRAMME AND THE ASSOCIATED EXAMS (WHW 7.13a)

GENERAL STRUCTURE OF THE PROGRAMME

1. The bachelor's programme is a 3-year full-time programme. An academic year is divided into four quartiles with a schedule of ten (or eleven) weeks.
2. The total study load is 180 EC (1 EC = 28 hours of study): 150 EC for the core programme (major) and 30 EC for the minor.
3. The core programme (major) consists of 10 coherent UT modules in which disciplinary knowledge, skills and attitudes are developed and assessed in the most coherent way possible. These modules are made up of different, interconnected study units with varying EC's counting up to 10 EC - 20 EC. A study unit may consist of multiple 'parts of a study unit'.
 - a. Modules 1-4, provided in the first year of the programme, offer an introduction to Industrial Design Engineering. These modules are orientational and selective modules (selective because of the Binding Recommendation at the end of the first year).
 - b. Modules 5-8 cover the second year of the programme and consist of modules with integrated topics. Students are provided with more in-depth knowledge. Individual accents can be included in projects and assignments.
 - c. The third year of the programme consists of the Minor phase (Modules 9 and 10), Module 11 and the graduation phase of 20 EC (Module 12).
4. Each module of the core programme in year 1 (B1), year 2(B2) and year 3 (B3) of the programme has a practical exercise in the form of a project that is an integral part of the module. In addition, other practical exercises may be part of study units throughout the entire programme. More information on these practical exercises can be found in the descriptions of the study units of the study programme on Osiris and/or Canvas.

	Quartile 1	Quartile 2	Quartile 3	Quartile 4
Year 1	Mandatory module M1 (15EC)	Mandatory module M2 (15EC)	Mandatory module M3 (15EC)	Mandatory module M4 (15EC)
Year 2	Mandatory module M5 (15EC)	Mandatory module M6 (15EC)	Mandatory module M7 (15EC)	Mandatory module M8 (15EC)
Year 3	Minor (M9 & M10) (30EC)		Mandatory module M11 (10EC)	Mandatory module M12 (20EC)

DESCRIPTION OF MODULES AND STUDY UNITS

1. As required by Article A3.6 of the General Part, Table 1-3 lists the modules, the study units and the corresponding study load (EC) for study units. If applicable, the number of tests, their form, their relative weighting and any required prior knowledge, can be found in Osiris.
2. The formal sequence of the study units and their exams is the order as recorded in the tables.
3. Possible prerequisites are listed in Osiris.
4. More extensive module and/or study unit descriptions can be found in the Osiris course catalogue and relevant Canvas pages.
5. When students follow study units organised by other UT degree programmes or other educational institutes, then the Education and Examination Regulations, as well as the Rules and Regulations of the related Examination Board, of that programme apply. If no regulations are available the IDE Examination Board will take a decision.

First study year (B1)Block	Code	Module/ course name	EC
1A	202400376	Module 1 – Ideation	(15.0)
	202001192	<i>Introduction to Mathematics + Calculus 1A</i>	4.0
	202400377	<i>Statics</i>	2.0
	202400378	<i>IDE Theoretical Context</i>	2.0
	202400379	<i>Design Ideation and Visualisation</i>	2.0
	202400380	<i>Design sprints</i>	5.0
1B	202400382	Module 2 – Prototyping	(15.0)
	202001199	<i>Calculus 1B</i>	3.0
	202400383	<i>Mechanics of Materials</i>	2.5
	202400384	<i>Materials & Production</i>	3.0
	202400385	<i>Technical Product Modelling</i>	2.0
	202400386	<i>Project Prototyping</i>	4.5
2A	202400388	Module 3 – Human Perspective	(15.0)
	202400389	<i>Mechanics of User-Object interaction</i>	3.0
	202400390	<i>Understanding People to Drive Design</i>	3.0
	202400391	<i>Design Ideation & Communication</i>	4.0
	202400392	<i>Project Human Perspective</i>	5.0
2B	202400394	Module 4 – Mass production	(15.0)
	202001237	<i>Linear Algebra</i>	3.0
	202400395	<i>Mechanical Components and Assemblies</i>	3.5
	202400396	<i>Technical Product Modelling & Simulations</i>	3.0
	202400397	<i>Design for Mass Production</i>	5.5
		Total B1 programme course credits:	60

SECOND STUDY YEAR (B2)

Block	Code	Module name	EC
1A	202000197	Module 5 – Human- product relations	(15.0)
	202000198	<i>Energy and Heat Transfer</i>	3.0
	202000199	<i>Production 3</i>	2.5
	202000200	<i>Physical Ergonomics</i>	2.0
	202000201	<i>Project Human Product Relations</i>	7.5
1B	202000202	Module 6 – Consumer products	(15.0)
	202000203	<i>Technical Product Modelling 2</i>	2.5
	202000204	<i>Graphic Design</i>	2.5
	202000205	<i>Product Market Relations</i>	2.0
	202000206	<i>Project Consumer Products</i>	8.0
2A	202000208	Module 7 – Designing for specific users	(15.0)
	202001237	<i>Linear Algebra</i>	3.0
	202000209	<i>Design and Styling</i>	2.5
	202000210	<i>Cognitive Ergonomics</i>	2.5
	202000211	<i>Project Designing for Specific Users</i>	7.0
2B	202000213	Module 8 – Virtual product development	(15.0)
	202000214	<i>Introduction to Finite Element Method</i>	2.0
	202000215	<i>Dynamics</i>	3.0
	202000216	<i>Project Virtual Product Development</i>	10.0
		Total B2 programme course credits:	60

THIRD STUDY YEAR (B3)

Block	Code	Module name	EC
1A		Minor module	15.0
1B		Minor module	15.0
2A	202000218	Module 11 – Systems in Context	(10.0)
	202000219	<i>Design of Mechatronics and Systems</i>	5.0
	202000220	<i>Design & Meaning</i>	2.5
	202000221	<i>Philosophy and Sociology of Technology</i>	2.5
2B	202000222	Module 12 – Bachelor Thesis Project	(20.0)
	202000223	<i>Reflection Science, Design & Technology</i>	0.0
	202000224	<i>Bachelor Thesis Project</i>	20.0
		Total B3 programme course credits:	60

SIMULTANEOUSLY FOLLOWING COURSES FROM MULTIPLE MODULES

1. Although the study units are registered separately, the study units within a module are coherent and should be taken together as much as possible.
2. Passing study units of the lowest unfinished academic year shall be prioritised
3. For the benefit of the student's study progress and to avoid (further) delays, students who have to redo (parts of) a module are not allowed to participate in more than 18 EC's of study units without a study plan that is developed in consultation with the study adviser and approved by the programme coordinator.
4. It is not allowed to enrol in two projects in the same quartile.

B) MINOR & BACHELOR THESIS PROJECT (WHW 7.13s)

In the second and third year there is an opportunity for choosing electives. In the second year this concerns Module 8 and in the third year the minor.

MINOR PHASE

1. The minor is a structured, coherent and complete educational package of academic level corresponding to the level of a third-year student. The minor consists of several study units worth a total of 30 credits which contribute to the students' general academic competences and/or to the enrichment of their knowledge and skills in a specialist field.
2. Students can choose (a combination of):
 - a. Specialisation minors that deepen the knowledge of the bachelor's programme
 - b. High Tech Human Touch (HTHT) minors
 - c. Educational Minor or Crossing Borders
 - d. Other UT minors from which students may choose are outlined in the minor admission matrix, which is available on the UT minor website.
 - e. Transfer minor (transfer to a master of another educational programme) by means of a Pre-master's programme as a Minor.
 - f. Minor at another educational institute: instead of attending modules at the UT, students can include another Minor in their programme, consisting of components offered outside the University of Twente. In that case a written approval of the Examination Board is required. Such free minors must meet the following criteria:
 - i. The minor should be of a sufficient (bachelor's) level.
 - ii. The overlap with the subject matter already dealt with does not exceed 10%.
 - iii. A non-UT module has a maximum of 1 language course for which the institution grants a maximum of 5 EC, excluding academic language subjects.
3. For the standard UT minors, students must apply for the minor via Osiris before the date set by the minor's organisation and enrol in the minor in question via Osiris before the start of the minor. In general, students should start arranging for a minor abroad in the first semester of the second year. If the student has to

(re)do study units of the year before, next to the minor, scheduling conflicts (being unable to participate in all scheduled activities or an uneven division of the study workload) are unavoidable.

4. Studying abroad requires consultation with the Exchange Coordinator and approval of the Examination Board.
5. Students are entitled to start with the minor phase (Article 2.7) in the third year after having:
 - a. completed the first academic year (60 EC), and
 - b. obtained at least 30 EC from the second academic year, and
 - c. have no more than 4 EC of unfinished courses of previous years that are delivered concurrently with the quartile or semester of the minor.

BACHELOR THESIS PROJECT

General

The bachelor's thesis project is carried out externally at a company or a public organisation or internally connected to a research group. The protocol for registration, acquiring and carrying out the bachelor's thesis project is set out in the manual 'Bachelor's Final Assignment', which can be found on the Canvas web site for the bachelor's thesis project. A plan of action is set out by the student before starting the assignment.

1. The duration of the BSc-thesis assignment corresponds with the study load of 20 EC. The regular assignment duration is 12 to 13 weeks, with a maximum duration of six months.
2. The Bachelor assignment should be finished within six months. This means that if the report is not handed in and accepted within this time, the project is terminated and graded as a fail. The student will have to do a new project in order to graduate.
3. If an extension is needed the student can file a substantiated request for an extension to the examination board supported by a study plan validated by the study adviser and the daily supervisor.

Requirements

Only after the completion of all preceding study units, the student can start with the last study unit: the Bachelor's thesis project. In cases where this requirement would have unreasonable effects on his study progress, the Examination Board may grant dispensation.

Graduation committee

1. The graduation committee assesses the students' work and is present at the final examination.
2. The committee consists of the following persons:
 - a. A chair (an associate professor) – also called 'examiner';
 - b. The supervising teacher from the UT; daily supervisor.

CONNECTING MASTERS'S PROGRAMME

1. Successful completion of the bachelor programme provides direct admission to the master programme Industrial Design Engineering (IDE) of the University of Twente.
2. The Education and Examination Regulations (EER) of the Master's programme provides information on any pre-master programmes.

C) SAFETY

Working in a laboratory or workshop is subject to certain safety requirements. Students are obligated to inform themselves of these rules and comply with them. To be allowed to work in a laboratory or workshop, the student must be registered as a student at the UT.

ARTICLE B2.2 LANGUAGE OF TUITION

In addition to Article A2.2, the following programme-specific rules apply:

1. The language of communication, instruction and examination in the bachelor programme is English.
2. The BSc-thesis is executed in English. Exceptions require approval of the Examination Board before the start of the thesis. If an exception is granted, the student is obliged to provide an executive summary of the final report in English.

ARTICLE B2.3 EXEMPTION

See Article A2.3.

ARTICLE B2.4 INDIVIDUALISED PROGRAMME

See Article A2.4

SECTION B3 TEACHING AND ASSESSMENT

ARTICLE B3.1 GENERAL

In addition to Article A3.1, the following programme-specific rules apply:

1. Each study unit examination consists of one or multiple assessment methods. These may include individual and group assessments, such as written and oral tests, written assignments, project assignments, practical exercises and different forms of presentations (e.g., poster and pitch).
2. Oral examinations and other examination components not listed in the assessment schedule will be held at a time set by the examiner(s) and the student together and, if the student so desires, within a month after the conclusion of the education for the examination unit in question.
3. Absence during a study period may result in the failing of tests, examinations, projects, or practical exercises. In the event of force majeure (e.g. illness), the student must contact the lecturer and study adviser as soon as possible.
4. A request for an exemption of one or multiple tests or examinations (Article A2.3.1 of the General Part) will be judged by the Examination Board on the conditions set out in its Rules and Regulations.
5. Information on the practical procedures regarding the course of examinations and completing projects is available in the Rules and Regulations of the Examination Board.
6. Practical exercises or projects can, generally, only be done once per academic year.

Information on the practical procedures regarding the course of examinations and completing projects is available in 'Examination Board Rules and Regulations'.

ARTICLE B3.2 ONLINE ASSESSMENT

See Article A3.2

ARTICLE B3.3 RESULTS

In addition to Article A3.3, the following programme-specific rules apply:

1. If a written test has been completed (passed with 5.5 or higher) the student may retake the test during a regular, scheduled retake.

2. For all other test types (e.g., assignments or presentations) the grade is final if the test has been completed (passed with 5.5 or higher). If a student would like to upgrade their grade next academic year (due to exceptional circumstances), the student must have a written confirmation from the Examination Board.
3. If the quality of an assignment is not sufficient (5.49 or less), the student cannot score a higher grade than 6 on the second attempt. This also applies if the student did not submit an assignment at the first deadline. This Article only applies to assignments.
4. The following applies for passing a project:
 - a. Students receive a pass for the project if all partial grades are ≥ 5.5 .
 - b. If students do not comply with 1.a., the following rules are applied:
 - c. Students receive a fail for the project if a partial grade is lower than 4.5.
 - d. Students receive a fail for the project if more than two partial grades are lower than 5.5.
 - e. For every project part receiving a partial grade below 5.5 (but ≥ 4.5), students must do supplementary work (for a maximum of two partial grades below 5.5) in order to pass the project.
 - i. Each supplementary work can yield a maximum partial grade of 6.0.
 - ii. If a supplementary work assignment (one or more may be assigned) is assessed with a partial grade below 5.5, the student fails the project.
 - iii. Written details about the contents and time allotted to complete supplementary work are provided after the project exam.
5. The following applies for passing the bachelor's thesis project:
 - a. The student receives a pass for the project if all partial grades are ≥ 5.5 .
If students do not comply with 4.a., the following rules apply:
 - iv. The student receives a fail for the project if one of the partial grades is lower than 4.5.
 - v. The student receives a fail for the project if more than two partial grades are lower than 5.5.
 - vi. For every partial grade between 4.5 and 5.5, the student must do supplementary work in order to pass the project.
 - Supplementary work can yield a maximum partial grade of 6.0.
 - If a supplementary assignment is assessed with a partial grade below 5.5, the student fails the project.
 - Agreements about the contents and time allotted to complete supplementary work are provided after the project exam.

ARTICLE B3.4 MODULES

See Article A3.4.

ARTICLE B3.5 REGISTRATION

See Article A3.5.

ARTICLE B3.6 DESCRIPTION OF MODULES AND ASSESSMENT SCHEDULE

In addition to Article A3.6, the following programme-specific rule applies:

The module description is provided in Osiris, the assessment schedule is available in Canvas. The study-load of the study units can be found in Article 3.2, for the period of validity see Article A3.9. The compensation rules are described below.

COMPENSATION RULES

For students belonging to cohort 2024, the following rules apply:

In the first year (B1) a student is allowed to have a grade of 5.0 - 5.4 for one study unit, not being a project.

In the second year (B2) a student is allowed to have a grade of 5.0 - 5.4 for one study unit, not being a project. Registration takes place if all other study units of the B1 or B2 are completed.

For students belonging to cohort 2023 and before, the compensation rules outlined in the student charter of 2023 remain in effect.

ARTICLE B3.7 ORAL EXAMINATIONS

See Article A3.7.

ARTICLE B3.8 ASSESSMENT DEADLINE, EXAMINATION AND TEST DATE

See Article A3.8.

ARTICLE B3.9 PERIOD OF VALIDITY OF RESULTS

See Article A3.9.

ARTICLE B3.10 RIGHT OF INSPECTION AND DISCUSSION

See Article A3.10.

ARTICLE B3.11 RETENTION PERIOD FOR TESTS

See Article A3.11.

ARTICLE B3.12 TEACHING EVALUATION

In addition to Article A3.12, the following programme-specific rules apply:

The quality of education is systematically monitored according to the Plan-Do-Check-Act (PDCA) cycle. The quality assurance system consists of at least the following parts:

1. The organisation within the faculty with all actors who play a role in the management, organisation, development and execution of the study programme. Through a clear division of tasks and responsibilities and mutual coordination, the actors jointly ensure a high-quality study programme.
2. The evaluation system that monitors the quality of the study programme and provides the actors with information on the quality and is therefore aimed at educational development and continuous quality improvement. This will at least include the execution of the following activities on an annual basis:
 - a. The programme director writes an annual programme development plan, which is subject to advice from the programme committee. Improvement points regarding the study units are made available to students and staff.
 - b. Questionnaires at the end of each module: participating students are asked to fill out questionnaires at the end of each module.
 - c. Module evaluations: every module will be evaluated, this is done via a midterm (interview with students), questionnaire and an improvement workshop in which students and teachers participate. The improvement workshop will be organised at least every two years.
 - d. NSE & NAE provide input for possible improvements within the programme.
3. Teachers within the programme are expected to acquire their University Teaching Qualification (UTQ) within 3 years after starting.

SECTION B4 EXAMINATIONS

ARTICLE B4.1 EXAMINATION BOARD

See Article A4.1.

ARTICLE B4.2 FINAL EXAMINATION AND DEGREE

See Article A4.2.

ARTICLE B4.3 DIPLOMA

In addition to Article A4.3, the following programme-specific rule applies:

1. When students have demonstrated exceptional competence and ability in their bachelor programme, this can be stated on the diploma with the words 'Cum Laude'.
2. The Examination Board awards the 'Cum Laude' judicium when a student meets each of the following conditions:
 - a. The grade for the Bachelor's thesis project is at least 8.5.
 - b. The weighted (according to ECs) average of all grades for the other study units is at least 8.0, not counting extracurricular courses.
 - c. At most two study units are graded 6.0 or 6.5, all other grades are at least 7.0.
 - d. The student has participated in at most two resits.
 - e. The bachelor's programme was completed within 4 years.
 - f. An exemption was granted for no more than one-third of the total bachelor's programme.
 - g. No fraud was committed during the entire Bachelor's programme.
3. If these guidelines are not fully met, the programme director/UT supervisor can submit a substantiated proposal to the examination board to award the designation 'Cum Laude'. In that case, the special circumstances and the exceptionality of the achievement must be properly substantiated.

SECTION B5 STUDENT GUIDANCE

For the benefit of the student's study progress and to avoid delays, the programme applies the following guidelines:

- Courses from the first year have priority over courses of the second and third year. Courses from the second year have priority over courses from the third year. By that it is understood that in cases where a choice between two courses has to be made, the course from the earlier year has priority.
- The nominal study load per quartile is 15 ECs.
- Students are advised to take only one project per quartile.

If the students want to deviate from this, they are advised to consult the study adviser.

ARTICLE B5.1 STUDENT GUIDANCE

In addition to Article A6.2, the following programme-specific rule applies:

1. If a student thinks they are confronted with personal circumstances that could influence their study progress, it is the responsibility of the student to report these circumstances to a study adviser immediately or as soon as possible.
2. The permission for extra facilities as mentioned in Article A5.2 of the General Part is mandated to the study adviser.
3. The study adviser will – upon or without request – advise the examination board, the programme director, individual lecturers/examiners and students regarding any problems with the study workload or study progress of individual students or groups of students.
4. If a student wishes to make an appointment from which rights can be derived, the agreements between the student and the study adviser need to be approved by the Examination Board.

ARTICLE B5.2 SPECIAL FACILITIES

See Article A5.2.

SECTION B6 STUDENT PROGRESS EVALUATION (BSA)

ARTICLE B6.1 PRELIMINARY RECOMMENDATION ON CONTINUATION OF STUDIES

See Article A6.1.

ARTICLE B6.2 (BINDING) RECOMMENDATION ON CONTINUATION OF STUDIES

In addition to Article A6.2, the student must have passed at least:

- one of the mathematics courses (Introduction to Math + Calculus 1A, Calculus 1B or Linear Algebra)

For students belonging to cohort 2023, the (binding) recommendation on continuation of studies as outlined in the student charter of 2023 remain in effect.

1. INFORMATION

- a. During the preliminary interview with the study adviser every student receives a letter containing information with regard to the standards for the first and second pre-recommendation and the

definitive binding recommendation. This letter also describes the procedures concerning the carrying out of the binding recommendation.

- b. The preliminary interview is conducted by the study adviser or by a staff member.
- c. If a student refuses the call for an preliminary interview, the letter containing information with regard to binding recommendation will be sent via email. In that case the institution cannot be held responsible for the consequences of not knowing the student's background information.

2. STUDENT GUIDANCE

- a. The study adviser is the first point of contact of the programme for students.
- b. Students enrolled in the Industrial Design Engineering bachelor's programme can turn to the study adviser for advice and tutoring concerning study and personal circumstances.
- c. If a student refuses the call for an interview, or does not inform the study adviser of relevant information on their own initiative, the institution cannot be held responsible for the consequences of not knowing the student's background information.
- d. The Industrial Design Engineering study adviser, when necessary or desirable, can refer a student to a more suitable or qualified person or authority, for instance a student counsellor.
- e. Students receiving a negative recommendation at the first and/or the second pre-recommendation will be called for an interview with the Industrial Design Engineering study adviser.

3. PROGRAMME AND STUDENT FILES

- a. On behalf of the programme, the Industrial Design Engineering study adviser keeps a file (in Osiris) on every student, in which every formal contact between the institution and the student is recorded. In each case it contains notes of the preliminary interview as intended in clause 1b in this Article, calls for follow-up interviews, letters of advice and interview notes.
- b. Descriptions of any alleged personal circumstances are included in the student file.
- c. Every student has the right to examine the part of their file as described in clause 3b in this Article and, if so desired, to object to its contents, which will be added to the file.
- d. The file of the student is available for all study advisers of the faculty ET (only used in absence of the study adviser Industrial Design Engineering). If a student wants to keep his file strictly confidential, he needs to notify the study adviser.

4. STUDY ADVICE

- a. The responsibility for taking note of all given advice lies with the student at all times.
- b. The first preliminary recommendation on continuation of studies is given as soon as possible after the results of the first module is known, or at the latest on in week 52, in accordance with Article 6.1.1 of the general section of the Education and Examination Regulations.
- c. The second preliminary recommendation on continuation of studies will be given as soon as possible after the results of the second module is known, or at the latest in week 10, in accordance with Article 6.1.1 of the general section of the Education and Examination Regulations.

- d. The definite and binding study advice is given as soon as possible after the results of the first academic year are known, or at the latest on 31 August.

5. CONSEQUENCES OF A NEGATIVE STUDY ADVICE

- a. If a failed student re-enrols after three or more academic years, this enrolment is designated as a first-year enrolment. In accordance with Article 6.3.9 of the general section of the Education and Examination Regulations.

6. PERSONAL CIRCUMSTANCES

- a. If a student thinks they are confronted with personal circumstances that could influence their study progress, it is the responsibility of the student to report these circumstances to a study adviser immediately or as soon as possible.
- b. If a student, due to personal circumstances, wishes to request an individual assessment by the programme board, it is the responsibility of the student to gain advice from the Personal Circumstances Committee and to initiate the relevant procedure on time. Always contact the study adviser about this request.
- c. If the programme board is notified of recognised personal circumstances, yet still gives a negative final recommendation, the extent to which the personal circumstances were considered is mentioned in the recommendation.

ARTICLE B6.3 DISCONTINUATION OF THE PROGRAMME

See Article A6.3.

ARTICLE B6.4 POSTPONEMENT OF RECOMMENDATION ON CONTINUATION OF STUDIES

See Article A6.4.

SECTION B7 STUDYING WITH A FUNCTIONAL IMPAIRMENT

ARTICLE B7.1 STUDYING WITH A FUNCTIONAL IMPAIRMENT

In addition to Article A7.1, the following programme-specific rule apply:

The permission for extra facilities during examinations is mandated to the study adviser.

ARTICLE B7.2 REQUEST FOR FACILITIES

See Article A7.2.

SECTION B8 FINAL PROVISIONS

ARTICLE B8.1 CONFLICTS WITH THE REGULATIONS

See Article A8.1.

ARTICLE B8.2 ADMINISTRATIVE ERRORS

See Article A8.2.

ARTICLE B8.3 AMENDMENTS TO THE REGULATIONS

See Article A8.3.

ARTICLE B8.4 TRANSITIONAL ARRANGEMENT

In addition to Article A8.4, the following programme-specific rules apply:

In the academic year 2024-2025, the curriculum of the B1 is changed. As a result, some study units will be offered in a different form or a different quartile. This transitional arrangement applies to students belonging to cohort 2023 and before who have yet to complete study units of the first academic year.

Principles of transitional arrangements

- Students who have obtained 45.0 EC or more of the B1 programme of Industrial Design Engineering after completion the academic year 2023 - 2024 will keep their exam programme. Completion of the exam programme can be done as follows:
 - in the academic year 2024-2025, written examinations are still examined twice (in accordance with the academic year 2023-2024, so in the same period);
 - the student takes the replacement part of the module as indicated in the substitution table.
 If students want to use option one, they must inform the relevant lecturer 20 working days before the resit date.
- Students who have obtained less than 45.0 EC of the B1 programme of Industrial Design Engineering after completion the academic year 2023 - 2024 (postponed BSA), will be assessed individually whether they have to switch to the exam programme of 2024 - 2025. Students who have to switch to the new exam programme are eligible for exemptions for parts of modules based on the substitution table.

Substitution table

Curriculum before 2023-2024								
Course code	Name	EC	M	Last written exam	Course code	Name	EC	M
202001192	Introduction to Mathematics + Calculus 1A	4.0	1		202001192	Introduction to Mathematics + Calculus 1A	4.0	1
202000173	Statics	2.0	1		202400377	Statics	2.0	1
202000174	Materials	2.0	1	2024-2025				
202000175	Design Sketching 1	2.5	1		202400379	Design Ideation & Visualisation	2.0	1
202300177	Project KICK START +	4.5	1		202400380	Design sprints	5.0	1
202001199	Calculus 1B	3.0	2		202001199	Calculus 1B	2.5	1
202000180	Construction	2.5	2	2024-2025				
202000181	Production 1	2.5	2	2024-2025				
202000182	Technical Product Modelling 1	2.0	2		202400385	Technical product modelling	2.0	2
202000183	Discovery	2.5	2			Individual solution*	2.5	2
202000184	Project Ideation	2.5	2			Individual solution*	2.5	2
202000186	Statistics	3.0	3	2024-2025				
202000187	Mechanics of Materials	2.5	3		202400383	Mechanics of Materials	2.5	3
202000188	Production 2	2.5	3			Individual solution*	2.5	3
202000189	Design Sketching 2	2.0	3			Individual solution*	2.0	3
202000190	Project Realisation of Products	5.0	3		202400386	Project prototyping	4.5	2
202000192	Application Development	2.5	4			Individual solution*	2.5	4
202000193	Electronics	2.5	4	2024-2025				
202000194	Design Sketching 3	2.5	4			Individual solution*	2.5	4
202000195	Human Factors	2.5	4	2024-2025				
202000196	Project Smart Products	5.0	4			Individual solution*	5.0	4

* Contact the study adviser to discuss your planning.

ARTICLE B8.5 ASSESSMENT OF THE EDUCATION AND EXAMINATION REGULATIONS

See Article A8.5.

ARTICLE B8.6 APPEALS AND OBJECTIONS

See Article A8.6.

ARTICLE B8.7 HARDSHIP CLAUSE

See Article A8.7.

ARTICLE B8.8 PUBLICATION

See Article A8.8.

ARTICLE B8.9 ENTRY INTO FORCE

See Article A8.9.

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