UNIVERSITY OF TWENTE.

Programme-specific part M-EER of the Students' charter, including the education and examination regulations NT 2026-2027

(*Article 7.13 and 7.59 WHW*)

Master's Programme
Nanotechnology

July 7, 2026

Faculty of Science and Technology

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Preamble

1. The rules in this appendix apply to the full-time master's programme Nanotechnology (RIO: 60028).
2. Together with the General Section (TNW/26.1307), this programme-specific appendix forms the programme part of the student charter, including the Education and Examination Regulations for the master's programme Nanotechnology of the faculty Science and Technology at the University of Twente.
3. The programme is subject to the legislation of the Dutch Higher Education and Research Act (WHW).

Reference: TNW/26.1315
Date: July 7, 2026

Article 1 Programme Mission, Profile and Objectives

The discipline of nanotechnology aims to design and develop functional materials, structures and systems by manipulating or measuring materials at the nanometre length scale and to use new phenomena and properties on this length scale. Research and development in this field concerns the manipulation of nano-scale structures and their integration in larger components, systems and architectures.

The Nanotechnology programme aims to train students at an internationally recognised high academic master level, to be pro-active researchers, designers and engineers who are able to develop, propagate and apply innovative knowledge in the field of nanotechnology.

The Nanotechnology programme offers students a curriculum that allows them to acquire skills in nanotechnology and to further develop their knowledge, skills and insight in the various sub-areas of nanotechnology. The final level aims to provide graduates with sufficient competencies to be able to act at a high academic level and in a professional and independent manner. Graduates will be able to successfully enter a variety of professional fields, such as scientific research, process and product development, and professional training in nanotechnology or related disciplines.

The Nanotechnology Master's programme focuses on the design, manufacture and characterisation of functional nanomaterials, nanodevices and systems. The subjects are closely related to the research subjects of the various groups that are part of the research institute MESA+ Institute for Nanotechnology.

Article 2 Intended learning outcomes

The intended learning outcomes have been described on the basis of the 3TU Academic Competencies, better known as the Meijers' Criteria[1]. These criteria have been approved by the NVAO[2] and provide an excellent framework that systematically defines the general intended learning outcomes of an academic master's programme, in which specific aspects for individual programmes may also be included.

With a master's diploma Nanotechnology:

1. The student can demonstrate advanced knowledge of nanotechnology at least:

a. Nanoscale characterization techniques and fabrication methods;
b. Applications in one or more of the profiles: Solid State matter, Nano devices, Bio-molecular matter;
c. Experimental skills and safe operation within nano-laboratory environments;
d. Simulation and/or modelling techniques for nanoscale systems.

[1] A.W.M. Meijers, C.W.A.M. van Overveld, J.C. Perrenet, k for Academic Bachelor's and Master's Curricula, TU/e 2005 (also available via http://www.jointquality.org/ descriptors special descriptors).
[2] Accreditation Organisation of the Netherlands and Flanders (NVAO).

2. **The student can apply scientific research methods at MSc level within one or more sub-areas of nanotechnology by:**

    a. Formulating research questions, hypotheses, and detailed research plans using research methodologies;
    b. Independently designing, conducting, and evaluating nanotechnology experiments or simulations;
    c. Critically assessing scientific literature, integrating interdisciplinary insights, and adapting methods to evolving research conditions, reflecting research findings on existing literature.

3. **The student can apply scientific design methodologies in nanotechnology at MSc level by:**

    a. Analyzing design problems and translating requirements into quantifiable design parameters;
    b. Independently designing nanoscale systems, selecting suitable materials and manufacturing processes;
    c. Developing and critically evaluating design plans, including technical, economic and safety considerations, and justifying design decisions;
    d. Understanding the design cycle by adapting an iterative design attitude.

4. **The student can organize and execute work independently and within diverse, multidisciplinary project teams by:**

    a. Developing and managing project plans, defining sub-tasks, coordinating interdependencies, monitoring progress, mitigating risks, and determining next steps;
    b. Collaborating effectively through clear communication, shared decision-making, and constructive interaction in culturally diverse team settings.

5. **Is able to communicate in English both orally and in writing, in a clear, concise and professional manner with both specialists in the field of nanotechnology as well as non-specialists and other stakeholders.**

6. **The student can demonstrate professional development and societal responsibility by:**

    a. Critically reflecting on personal decision-making, behavior, and performance, and acting on the outcomes;
    b. Identifying knowledge gaps and engaging in independent learning to address them;
    c. Analyzing personal strengths and weaknesses in relation to skills, behavior, interests, and professional goals;
    d. Analyzing and evaluating ethical, societal, environmental, economic, and safety implications of nanotechnology and articulating well-reasoned viewpoints.

Article 3 Admission Committee

1. An admission committee is appointed by the dean of the Faculty of Science and Technology for the admission of students to the master's programme.
2. The Executive Board has delegated the authority to accept or reject students for the master's programme (S&C/387.191/lk) to the board mentioned under paragraph 1.
3. The admission committee consists of at least two members:
    a. the Programme Director,
    b. the Programme Coordinator and/or study advisor

    The admission committee is chaired by the Programme Director.
    If the chair deems it necessary, the faculty internationalisation coordinator or the secretary of the Examination Board can join the admission committee.

Article 4 Admission to the Programme

1. Admission to the programme is granted to:

    a. Students in possession of a degree in Electrical Engineering, Chemical Engineering, Biomedical Engineering, Applied Physics, Physics or Chemistry from a Dutch university subject to the condition that their education included sufficient knowledge of math, quantum mechanics, solid state physics or inorganic materials science. This assessment is made by the admission committee.

    b. Students in possession of a degree for the Bachelor's programme Advanced Technology (AT), Applied Physics (TN), ATLAS, Biomedical Technology (BMT), Electrical Engineering (EE), Mechanical Engineering (ME) or Chemical Science and Engineering (CSE) of the University of Twente can be admitted to the regular Master's programme if they successfully passed the modules Condensed Matter Physics (15 EC, B3 programme AT) and Materials Science and Engineering (15 EC, B2 programme AT) or Materials Science and Technology (15 EC, B2 programme CSE) in their Bachelor's programme. In case of a deviation or non-compliance, the assessments are made by the admission committee.

    c. Other students who meet at least one of the following requirements:

        i. The student is in possession of a bachelor's degree or equivalent in a study programme which, in the opinion of the admission committee, enables the candidate to complete the master's programme within the defined period.

        ii. The student is in possession of a master's degree or equivalent in a study programme which, in the opinion of the admission committee, enables the candidate to complete the master's programme within the defined period.

        iii. If the student has no qualification in the above sense, but does have an education and/or additional experience which, as a whole, is regarded by the admission committee as equivalent to one of the above degrees and the board is of the opinion that this education and experience enable the candidate to complete the master's programme within the defined period, the admission committee may decide to admit the candidate.

    The admission committee issues a proof of admission to the programme if the conditions under section a, b or c are met.

2. During assessment of the application for admission to the master's programme, the admission committee can demand that some subjects must be passed before proof of admission to the master's programme can be issued.

3. When proof of admission to the master's programme is issued, the admission committee may propose to grant exemption for particular parts of the programme, with exception of the final master's project. The proposal has to be submitted to the Examination Board for approval.

4. A student with a bachelor's degree in one of the bachelor's programmes of the University of Twente, who has passed one or more compulsory parts of the master's programme Nanotechnology before entering the programme or passed subjects that may be approved by the Examination Board as an elective in the master's programme Nanotechnology, may be granted exemption for those parts by the Examination Board. The exemption is only for the parts concerned; the student will not be granted a reduction of the total study load of 120 EC of this master's programme.

5. Proof of admission to the master's programme granted by the admission committee may be subject to the condition of particular deficiency courses as defined in Article 5. Consequently, the total programme of the student's master's programme may exceed 120 EC. The conditions will be mentioned in the admission letter.

6. The following applies for students with a qualification in higher professional education (university of applied sciences, HBO, Kies op Maat) in Electrical Engineering, Chemical Technology, Nanotechnology or Applied Physics:

    i. They may be admitted to the master's programme after they have completed a transfer programme. The content of the transfer programme is determined by the admission committee.

    ii. They will be admitted to a transfer programme of at least 24 EC.

The transfer programmes selected for the student by the admission committee are defined in Article 8 of this programme-specific appendix. After successfully completing the transfer programme students will be admitted to the master's programme.

7. Students with another bachelor's degree than mentioned under article 4.6 of a university of applied sciences, can also be admitted to the transfer programme after approval of the admission committee. After successfully completing the transfer programme they will be admitted to the master's programme.

8. Students with a previous education at a foreign institution must demonstrably have sufficient language skills in spoken and written English. A requirement for their admittance to the programme may be a sufficient score in a recognised test. This means a total score of 6.5 or higher for the IELTS test, or a score of 90 or higher for the Internet-based TOEFL test[3]. Students in possession of a bachelor's degree from a country where English is the main language in higher education[4] are exempt from this requirement.

9. The admission committee might invite a student for a compulsory on-line interview as part of the admission assessment process.

Article 5 Regular Master's Programme

The programme outlined in this article applies to cohort 2025/2026 and later.
The master's programme consists of two years. The first year consists of compulsory courses, 3 courses that belong to a limited list of courses and an elective space. The second year consists of an internship & job orientation project and the final master's project. The total study workload is at least 120 EC.

1. **The first year of the programme consists of:**
   The compulsory courses:
   - Characterization (5 EC, 193700010)
   - Project Characterization of nanostructures (2,5 EC, 202600437)
   - Nanoscience (5 EC, 193400050) or Nanophysics[5] (5 EC, 193530010)
   - Nano-Lab: Fabrication & Characterization (5 EC, 201600041)
   - Nano and Surface Chemistry (2,5EC, 202400569)
   - Fabrication of micro and nanodevices (5EC, 191210730)
   - Nanotechnology design project (10 EC, 201600044)

   Three courses out of the list below. Note they are grouped for convenience by theme. Students can choose to have them all from one theme, two from a theme and one from another or all three from a different theme.

   (Application of) Solid State Matter:
   - Nano-optics (5 EC, 193400131)
   - Nanomaterials Research (5 EC, 201900042)
   - Electrocatalysis: Materials and Spectroscopy (5EC, 202200313)
   - Nano-electronics (5 EC, 193400141)
   - AMM Inorganic Materials Science (5 EC, 193700040)
   - Advanced Condensed Matter Physics (5EC, 202500546)

   (Bio)Molecular Matter:
   - Bio-nanotechnology (5 EC, 193400111)
   - Advanced Drug Delivery and Nanomedicine. (5EC, 202200254)
   - Supramolecular Chemistry (Bio)molecular Chemistry & Technology (5 EC, 202400372)
   - Advanced Colloids & Interfaces (5 EC, 201800083)

[3] IELTS: International English Language Testing System; TOEFL: Testing of English as a Foreign Language; see the UT website on admittance to the master's programme's ttps://www.utwente.nl/en/education/master/admission-requirements/international-degree

[4] The list of countries can be found at https://www.utwente.nl/en/education/master/admission-requirements/

[5] Students with proven skills and knowledge of nanoscience can select the course Nanophysics instead of Nanoscience after consultation with the lecturer. Take note, students can only have one of these courses on their courselist.

Nano-engineered Devices

- Lab on a Chip (5 EC, 201600046)
- Nanofluidics (5 EC, 193400121)
- Micro Electro Mechanical Systems (MEMS) Design (5 EC, 191211300)
- FEM theory and COMSOL Simulations for Micro- and Nanodevices (5 EC, 202200253)
- Sustainable Nanotechnology (5 EC, 202200330)

The remaining 10 EC are free choice from the list of MSc courses offered by the University of Twente or can be used to repair a deficiency. Such a deficiency will be stipulated by the programme.

2. **The second year consists of the compulsory courses:**
   - The Internship & Job Orientation Project. is with an external company, external research institute or a university abroad. (20 EC, 201700174). Further information is given in art. 5.5.
   - The Final Master's project. (40EC, 202200257). Further information is given in art. 5.6.

3. **Course list**

   The Course list chosen for the MSc diploma requires the approval of the Examination Board. They can grant deviations from the requirements above. Refusal of the approval of the course list is feasible if:

   - the list does not comply with the requirements above, or
   - when courses on the list have a clear overlap in learning aims, or
   - the course list does not comply with regulations set by the Examination Board, or
   - when courses do not comply with the requirements for the MSc diploma

   If the Examination Board does not approve the Course list, the student has to resubmit a modified Course list until approval is granted.

4. **Deficiency courses**
   a. International students and students from the university of applied sciences have to follow a workshop regarding academic skills (0,5 EC; 201700158).
   b. Students with no proven skills and knowledge in instrumentation, have to follow an introductory module A First Practical Course in Electronics (1 EC; 201900246).
   c. Students with no proven skills and knowledge in Matlab, have to follow the introductory course Matlab for pre-master ET (2,5 EC 202001389).
   d. Other deficiencies that can be covered with a single course as determined by the Admission Committee. Such a deficiency can be used as part of the free choice electives.
   e. Larger deficiencies in prior knowledge requires a student to do a pre-master before admission to the master Nanotechnology and are covered in art. 8.

5. **The Internship & Job Orientation Project (20 EC, 201700174)**
   a. The objective of the Internship & Job Orientation Project is to let the students gain experience in the field of Nanotechnology and apply the knowledge and skills they have acquired thus far into practice, by completing an assignment in an external organisation outside the university of Twente
   b. The Internship & Job Orientation Project must be of nanotechnology nature and is supervised by a permanent scientific staff member of a research group associated with the programme Nanotechnology, which includes the MESA+ research Institute. This person will act as examiner of this course. The Examination Board can formulate additional requirements for an examiner.
   c. Deviations from articles 5.5 a and b can be given by the Examination Board.

6. **The Final Master's project (202200257, 40 EC)**
   a. The objective of the assignment is for students to learn how to independently complete a research assignment of a certain size and degree of complexity.
   b. The final master's project is assessed on
      - problem analyses (familiarising oneself with a field of study, evaluation of the context, and formulating the research questions and approach), the realisation (the theoretical and experimental approach and realisation), and the results analysis (analysis of the results and their relevance) as well as

- the independence, commitment, collaboration, originality and creativity. The reporting consists of an oral reporting (presentation and discussion of the research) and the written report (the final master's project report). An analysis of the societal embedding of the project is also part of final master's project.

c. Approval of the final master's project by the Examination Board must be requested in time by means of the form 'MSc final project contract' (no later than 1 month before the start of the assignment). The final master's project must be of a nanotechnological nature. The student must indicate the nanotechnological aspects of the assignment in the proposal.
d. For the purpose of monitoring progress, the student must draw up a mid-term evaluation, in which the acquisition of information, the problem analysis, progress and the direction of the final master's project are reported. This report will be discussed with the master assignment committee.
e. The final master's project has to be carried out at a research group associated with the Programme Nanotechnology at the University of Twente.
f. Deviations from the articles 5.6 a,b,c,d and e can be granted by the Examination Board. In case the final Master's project is carried out outside of the University of Twente, at least a plan that covers good collaboration, supervision, assessment, and communication with the external party and the responsible research chair has to be approved by the Examination Board prior to the start of the work on the Final Master's project.

Article 6 Two master's degree programme

A two-master's degree programme is a combination of two separate UT master's programmes which the student follows in parallel and involves a joined final master's project and a joined internship and job orientation project.
When the student has successfully met all requirements for the two master's programmes, the student will be granted a certificate for both master's programmes.

1. Admission to a two masters programme requires admission to each of the programmes by their admission committee's.

2. The student submits at the start of the two master's degree programme a Course list for approval to the Examination Board. Changes in the Course list are subject to approval of the Examination Board.

3. Deviation of the requirements for a regular master Nanotechnology diploma in case of a two masters programme are:
   a. The total programme is 180 EC,
   b. The study load of the joined final master's project is 60 EC,
   c. The composition of the assessment committee of the Final Master's Project should meet the requirements of Rules of the Examination Board (article 12 and 13),
   d. The study load of the joined Internship & Job Orientation Project is 30 EC, the joined internship and job orientation project should have two assessors,
   e. The internship and the examiners should meet the requirements of Rules of the Examination Board (article 14). The two assessors should originate from and be representative for the two master's programmes concerned.
   f. If the rules set by the other Master programme require deviation of the above rules, the Examination Board can decide to deviate from the number of EC's associated with the Final Master's project and Internship & Job Orientation Project.

Article 7 Double degree (DD) programme with University of Technology Łodz (TUL), Poland

A student's specific programme, including any exemptions to be granted, must be approved beforehand by the Examination Board. The following rules apply:

1. This programme is only applicable for students of TUL after finalizing the first semester of the master's programme Nanotechnology successfully.

2. The UT-part of this DD programme consists of at least 75 EC, consisting of 35 EC for subjects and 40 EC for the final master's project.

3. Students admitted to the Double Degree Programme will be granted exemption for the compulsory subject 'Design Project'.

4. After finalising the UT-part the student still has to fulfil a Research & Development project as part of the TUL Curriculum.

This is an overview of the Double Degree Programme:

- Nano and surface Chemistry (2,5EC, 201600249)
- Fabrication of micro and nanodevices (5EC, 191210730)
- Characterization of nanostructures (5 EC,)
- Project Characterization of nanostructures (2,5 EC,)
- Nanoscience (5 EC, 193400050)
- Nano-Lab: Fabrication & Characterization (5 EC, 201600041)
- The final master's project is supervised by a professor of one of the nanotechnology research groups participating in MESA+ (40 EC)

and 10 EC from the following subjects:

(Application of) Solid State Matter:

- Nano-optics (5 EC, 193400131)
- Nanomaterials Research (5EC, 201900042)
- Electrocatalysis: Materials and Spectroscopy (5EC, 202200313)
- Nano-electronics (5 EC, 193400141)
- AMM Inorganic Materials Science (5 EC, 193700040)

(Bio)molecular Matter:

- Bio nanotechnology (5 EC, 193400111)
- Advanced Drug Delivery (5 EC, 201200220)
- (Bio)molecular Chemistry & Technology (5 EC, 193700020)
- Advanced Colloids & Interfaces (5 EC, 201800083)

Nano-engineered Devices

- Lab on a Chip (5 EC, 191211120)
- Nanofluidics (5 EC, 193400121)
- Micro Electromechanical Systems (MEMS) Design (5 EC, 191211300)
- FEM theory and COMSOL SIM nanodevices (5 EC, 202200253)
- Sustainable Nanotechnology (NT) (5EC, 202200330)

Article 8 Programme for students with a qualification in higher professional education

1. The transfer (pre-master) programme is applicable to students in possession of a qualification in higher professional education in Electrical Engineering, Chemical Technology, Applied Physics or Nanotechnology. After completion of the Transfer (pre-master) programme a student will be admitted to the Nanotechnology Master's programme. In all other cases the admission committee (art.3) decides.

2. Students must complete the transfer programme within a period of 1 year and will be given 2 opportunities to take the exam.

3. Instead of the transfer (pre-master) programme mentioned above, students of the University of Applied Sciences can also attend a Transfer minor of 30 EC (Kies-Op-Maat minor) during their higher professional education. Article 8.2 also apply to these students.

4. The admission committee can deviate and alter the Transfer or Minor programme if they determine a more appropriate programme is required for a student.

5. The Transfer (Pre-master) and Transfer Minor (Kies-Op-Maat minor) programme is as follows:

Transfer programme students with a physics or electrical engineering background			Transfer programme students with a chemistry background		
Name	**Code**	**EC**	**Name**	**Code**	**EC**
Calculus A	202001171	5	Calculus A	202001171	5
Calculus B	202001173	4	Calculus B	202001173	4
Calculus C	202001175	3	Calculus C	202001175	3
Matlab for pre-masters ET	202001390	2	Matlab for pre-masters ET	202001390	2
Intro Solid State Physics[1]	202000660	5	A first practical course in electronics	201900246	1
Molecular Structure and Spectroscopy[1]	202000663	2.5	Intro Solid State Physics[2]	202000660	5
Physical Chemistry[2]	202000638	4	Molecular Structure and Spectroscopy[2]	202000663	2.5
Chemistry & Technology of Materials[2]	202000636	4	Electricity & Magnetism	191403070	5
Workshop Academic Skills	201700158	0.5	Chemistry & Technology of Materials[3]	202000636	4
			Workshop Academic Skills	201700158	0.5
Total		**30**	**Total**		**32**

[1] Part of Module 9 of BSc AT

[2] Part of Module 6a (Materials Science and Engineering) of BSc AT

Article 9 Transition arrangement

1. In the event of a change to programmes included in Articles 5, 7 and 8 of this programme-specific part, or of a change to one of the other articles in the general section or in this programme-specific part, a transitional arrangement will be defined and announced by the Programme Director.
2. Article 7.4 of the general section states the conditions to be met by a transition arrangement.
3. The transition arrangement will be published on the website of the Nanotechnology programme.

Article 10 Safety

Working in a laboratory is subject to safety requirements. Students must acquaint themselves with these rules[6] and abide by them.

Article 11 Sequence of Study Units

1. Prior to starting a programme unit, the student must meet the knowledge requirements of the programme unit.
2. The student can only start the internship & job orientation project at least 30 EC of the master's programme has been completed. If a student is following a two master's programme 45 EC has to be completed before Internship & job Orientation Project can be started.
3. The student can only start the final master's project when no more than 10 EC of courses are not completed (not including the final master's project). If a student is following a two master's programme no more than 15 EC of courses can be not completed prior to the start of the final master's project.
4. Prior to the examination on the final master's project, the student must have successfully completed all other programme units.

[6] See the rules on occupational health and safety and the environment, at `https://www.utwente.nl/en/tnw/intranet/services-and-support/hse/en`

5. The Examination Board is authorised to grant exemption from the conditions in paragraphs 1 to 4 of this article if strict application of those terms would result in an unreasonable delay in study progress. The student can submit a request to this end to the Examination Board.

Article 12 Cum Laude

1. In accordance with art. 5.3.5 of the general part of the EER, a special distinction (e.g. cum laude) can be awarded on the Master's in Nanotechnology.
2. The Examination Board is charged with considering and awarding of a special distinction.
3. The requirements for the distinction cum laude are:
   a. The grade for the Master final assignment is at least a 9.0;
   b. The EC-weighted average of the compulsory subjects in the Master programme is without rounding at least 8.0.
   c. On the transcript are no grades less than 6.0;
   d. The study programme needs to be finished within 2 years. In case of a two master's programmes, both programmes need to be finished in 3 years.
4. The Examination Board can on own initiative or on the request of the student or others deviate from the rules in 11.3. Special attention will be given to students with circumstances of study delay acknowledged by StOF (formerly known as FOBOS). A request of the student for a deviation from the guidelines for Cum Laude ('with distinction') must be made to the Examination Board before the first of the following events:
   a. Declaration of graduation in DUO
   b. Signing of the diploma
5. The request must include a clear motivation as to why the requester deems the deviation reasonable. Requests for a deviation from the guidelines for Cum Laude will be evaluated by the Examination Board on a per case base

Article 13 Flexible degree programme

Contrary to the provisions in article 5 of this appendix, the student can request the permission of the Examination Board to compose a flexible degree programme. The Examination Board assesses whether the programme is appropriate and consistent within the domain of the programme and whether the level is high enough in the light of the intended learning outcomes of the programme.

Article 14 Student Counselling

The task of the study adviser is to individually advise students on all aspects of their studies, and to inform the Programme Director on the study progress of the students.

Article 15 Quality Assurance and Evaluation

1. Quality assurance is the total of all activities and processes that the study programme organizes to ensure a continuous evaluation in order to support development and improvement in a structural manner with the aim that education is carried out with the predetermined (intended) quality and outcomes.
2. The programme management is responsible for the evaluation of the programme.
3. The programme director is responsible for the quality of the content and the structure and organisation of the programme, including the organisation and execution of quality assurance.
4. The quality assurance is coordinated and managed by the Quality Assurance Coordinator of the Science & Technology faculty. The quality assurance coordinator advises the programme (staff) on the internal quality assurance processes.

5. The Programme coordinator and Quality Assurance Coordinator are responsible for planning and executing the evaluation process and finalising an evaluation report. The report is shared with the relevant lecturers, the staff members of the study programme and the programme committee.
6. The following internal and external evaluations are used to evaluate the curriculum and the programme as a whole:
    a. Panel meetings with students;
    b. On-line surveys of the master's courses;
    c. On-line survey of the master's final assignment
7. A summary of the surveys and response of the lecturer regarding the evaluation will be shared with the programme committee and programme lecturers.
8. Summary of web surveys and the response of the lecturer will be placed on the "AT/Nano Quality Assurance and Evaluation" Canvas page which is accessible for all students and lecturers of the master's programme Nanotechnology.
9. To evaluate the curriculum and the master's programme in its entirety the following internal and external evaluations are used:
    a. All information obtained using the tools which are mentioned in 12.6;
    b. The National Student Survey (NSE)[6];
    c. The National Alumni Survey (NAE)[7].
10. The programme director and the programme committee decide on which actions need to be taken on course level or curriculum level in order to improve the programme. These actions will be recorded in an Improvement action plan and shared with the lecturers.

Article 16 Effectuation and Changes

These regulations will come into effect on 1 September 2026 and replace the regulations dated 1 September 2025.

Established by the board of the Faculty of Science and Technology, after advice from the Faculty Council and the Programme Committee and after consent of the Programme Committee with articles 2, 5, 7, 8, 10 and 15 and the Faculty Council with article 11.

[6] The NSE is taken every year.
[7] The NAE is taken every year.