

RULES & GUIDELINES 2022-2023

OF THE EXAMINATION BOARD OF THE FACULTY OF ELECTRICAL ENGINEERING, MATHEMATICS & COMPUTER SCIENCE

Introduction

The Rules & Guidelines (R&G) are established by the Examination Board of the faculty of Electrical Engineering, Mathematics & Computer Science (EEMCS). They serve as a regulatory framework for the Examination Board EEMCS and the individual exam supervisors in all the educational programmes of the faculty EEMCS

The date of enactment of these Rules & Guidelines is 01-09-2022.

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SECTION 1 – GENERAL

ARTICLE 1.1: DEFINITIONS & ABBREVIATIONS

Academic misconduct	actions or omissions on the part of the student that preclude an accurate assessment of his or her knowledge, skills, and competences, e.g., cheating, in tests or applications for exemptions, or fraud, including plagiarism, data falsification/ fabrication and deliberate attempts to influence the result of an examination.
Assessment plan	the relation between the PILOs and the assessment of units in the curriculum of a degree programme. The assessment plan makes clear when and how (elements of) the PILOs are assessed in the study units of the curriculum.
Calamity	a long-term situation, in which the Rules and Guidelines can no longer be performed as such, as a result of a decision taken by the national government or the Executive Board.
EB	Examination Board of the faculty EEMCS.
EER	Education & Examination Regulations
Emergency	an unexpected short-term event requiring immediate action.
Exam	assessment of the knowledge, skills, and competences of the participating candidates, as well an evaluation of the results of the assessment (art. 7.10 WHW). An exam may consist of only one or a number of tests.
Examiner	constructs one or more tests for the assessment of knowledge, skills, and competences of students, and develops assessment tools for consistent marking by multiple graders. The examiner is appointed by and responsible for providing information about the exam to the Examination Board.
Exam supervisor	(a.k.a. exam proctor or invigilator) supervises written exams according to prescribed procedures.
Final examination	a programme concludes with a final examination. A final examination is deemed successfully completed if the study units belonging to a programme have been completed successfully.
Grader	marks exams within the given guidelines by the examiner and under the final responsibility of the examiner.
Guideline	may, with a statement of reasons, be deviated from in exceptional cases.
Instruction/ Rule	cannot be deviated from.
Learning objective	e.g., intended learning outcome
subcommittee	programme-specific sub-committee of the Examination Board EEMCS
PILO	Programme Intended Learning Outcome
Programme board	the committee charged by the faculty board with managing the programme. This may also be an individual person. In which case the term programme director is used.
Reviewer	Reviews recordings made by proctoring software for fraudulent behaviour.
Student	participates in an exam to show proof of knowledge, skills and competences acquired.
Study Unit	a programme component as defined in Article 7.3, paragraphs 2 and 3 of the Higher Education and Research Act. Each study unit is concluded with an exam.
Table of specifications	table in which the test items/tasks are related to the study unit's learning objectives and the points per item/task are represented.

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Test	an evaluation of the knowledge, understanding and skills of the student, as well as the assessment of the results of this evaluation. A test is a part of an exam. If a study unit has only one test, this coincides with the exam for the unit in question.
Test schedule	a schedule where the learning objectives of the study unit are presented in relation to all the tests. In addition, the assessment methods are described as well as the weight they have regarding the final grade.
WHW	Dutch Higher Education and Research Act (<i>Wet op het hoger onderwijs en wetenschappelijk onderzoek</i>)

ARTICLE 1.2: DUTIES AND POWERS

These Rules & Guidelines (R&G's) are set within the framework of the Dutch Higher Education and Research Act (WHW) and the Teaching and Examination Regulations (EER) for the relevant programmes of the faculty of EEMCS.

The duties and legal powers of the Examination Boards are defined in Chapter 7 of the WHW. The WHW states that the Examination Board is the body that objectively and professionally assesses whether a student meets the conditions laid down in the EER with regard to the knowledge, insight and skills required to obtain a degree (see art. 7.12 par. 2 WHW).

According to the WHW, the duties and legal powers of the Examination Board EEMCS include:

1. To grant a degree certificate and supplement (art. 7.11 WHW);
2. To assess individual student requests for exceptions to the EER (art. 7.12b WHW);
3. To grant permission to a student to take a flexible programme (art. 7.3h WHW);
4. To appoint examiners (art. 7.12c WHW);
5. To set regulations and directions for assessment, within the framework of the EER (art. 7.12b, par. 1b WHW);
6. To safeguard the quality of the organisation and the procedures of assessment (art. 7.12b, par. 1, sub e WHW);
7. To assess cases in which there is a suspicion of fraud, and to determine the consequences if fraud has occurred (art. 7.12b, par.2 WHW);
8. To provide advice to the Faculty Board concerning the adoption, amendment, or periodic assessment of the EER (art. 7.12b, par. 1 WHW);
9. To prepare an annual report about the board's activities to the Faculty Board (art. 7.12b, par.5 WHW).

ARTICLE 1.3: GENERAL TASKS

1. To exercise other powers as specified in the EER
 - a. To change the public nature of an oral test
 - b. To apply the hardship clause
2. To give advice on the assessment policy
3. To give advice on the assessment plan
4. To give advice on the draft EER
5. To give advice to the Executive Board on the removal of a student
6. To consult with other Examination Boards and the Faculty Board

SECTION 2 – ORGANISATION

ARTICLE 2.1: SUBCOMMITTEES AND PROGRAMMES

The Examination Board EEMCS (EB-EEMCS) consists of programme specific subcommittees and a general subcommittee (EB-GA). The latter addresses all issues which affect multiple

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programmes. The seven subcommittees are listed below, including the degree programmes that fall under their responsibility:

sub-committee Applied Mathematics (EB-AM):

- Bachelor Applied Mathematics (B-AM)
- Master Applied Mathematics (M-AM)

sub-committee business information technology (EB-BIT)

- Bachelor Business Information Technology (B-BIT)
- Master Business Information Technology (M-BIT)

sub-committee creative technology (EB-CREATE)

- Bachelor Creative Technology (B-CREATE)
- Master Interaction Technology (M-ITECH)

sub-committee computer science (EB-CS)

- Bachelor Technical Computer Science (B-CS)
- Master Computer Science (M-CS)

sub-committee Electrical engineering and Embedded Systems (EB-EmSys & EE)

- Bachelor Electrical Engineering (B-EE)
- Master Electrical Engineering (M-EE)
- Master Embedded Systems (M-EMSYS)

sub-committee Systems & Control and Robotics (EB-SC & ROB)

- Master Systems & Control (M-SC)
- Master Robotics (M-ROB)

ARTICLE 2.2: APPOINTMENT OF MEMBERS EXAMINATION BOARD EEMCS

1. Members of the EB are appointed by the Faculty Board for a term of two years for one or more specific subcommittees. They can subsequently be reappointed twice (art. 4 par. 7 of the EEMCS' Faculty Regulations);
2. Members of the EB, except for the external member, are member of the academic staff of the UT (Dutch abbreviation: WP)
3. Members of the EB, except for the external member, have a PhD degree in a field related to the degree programmes covered by the EB.
4. Members of the EB must have either a UTQ certificate (or equivalent), an SQE certificate, or be in the process of acquiring a UTQ or SQE certification, in which case the timeline of finalizing must be indicated.
5. Each degree programme must be represented in the EB by at least one of their examiners who is active in the subcommittee responsible for that programme;
6. The chair of the EB-GA is also chair of the entire EB;
7. An external member with assessment expertise is appointed in the EB and active in the EB-GA.
8. Before appointing a member of the Examination Board, the institutions management consults the Examination Board. (Art. 7.12a, par.4)

ARTICLE 2.3: MEETINGS

1. A yearly calendar of the EB-GA and subcommittee meetings and annual general EB meeting is published on the EB website;
2. The meetings of the subcommittees and EB-GA are not public;
3. Minutes of the meetings are not public;
4. The programme board and study adviser to the related subcommittee may be present at subcommittee meetings in an advisory role if the subcommittee sees fit.

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5. When a student submits a request which directly involves a member of the subcommittee, this member will have no vote in the decision. The subcommittee can decide to discuss the case without this member being present.

ARTICLE 2.4: MANDATES

1. If a committee, person, or any other body can take decisions on behalf of the EB, this mandate shall be clearly defined in writing to members of this committee / person/ other body. Relevant mandates are listed on the website of the Examination Board EEMCS. An overview of all decisions taken by mandate must be made verifiable to the Examination Board.

ARTICLE 2.5: REPORTING

1. The chair of the EB and executive secretary have a minimum of three meetings a year with the Vice-Dean of Education.
2. The EB writes an annual report which is discussed with the Faculty Board.
3. The annual report consists of at least:
 - a. the Examination Board's composition;
 - b. the professional development activities;
 - c. the activities related to safeguarding quality of testing and assessment;
 - d. the decisions taken regarding students' requests (including mandated resolutions) and the distribution of requests (table with numbers, broken down by degree programme);
 - e. the certificates issued (table with numbers, 'with distinction' designations, broken down by degree programme);
 - f. the number of appeals and academic misconduct cases per degree programme;
 - g. the involvement in accreditations;
 - h. any plans for the coming year;
 - i. the focal points for the degree programmes with respect to the quality of interim and other examinations

SECTION 3 – CERTIFICATES AND TRANSCRIPTS

ARTICLE 3.1: DEGREE CERTIFICATES

1. The EB is the body that safeguards that a student meets all conditions of knowledge, insight, and skills (art. 5.2 EER) before issuing a degree certificate (art. 7.11 par. 2 WHW) and a supplement providing information about the nature and content of the degree programme (art. 7.11 par. 4 WHW).
2. Degree certificates and supplements are signed by the chair of the subcommittee or, if absent, by one of the (other) members of this subcommittee. If mandated by the EB, the certificate can also be signed by the examiner of the final project.

ARTICLE 3.2: SPECIFICATION OF EXCELLENCE / SPECIFIC DISTINCTION

1. Requirements for a specification of excellence or specific distinction, i.e., cum laude, on the degree certificate are defined in the programme-specific appendices to the EER.
2. The EB safeguards that the student meets these requirements (art. 5.4 par. 4 EER).
3. The subcommittee may deviate from the requirements in the applicable EER given special circumstances.
4. The EB advises the programme boards on the requirements for, e.g., cum laude.
5. If a student has passed an honours programme for excellent students recognized by the UT's Executive Board, this will be indicated on the diploma supplement.

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SECTION 4 – REQUESTS & COMPLAINTS

ARTICLE 4.1: GENERAL

1. Students seeking an exception to the EER have to send in a written request in English, using the application form on the website of the EB.
2. Requests are only handled at a specific meeting of the relevant subcommittee when submitted at least one week prior and accompanied by all required and relevant documentation. Requests have to be well motivated. Information on required documentation are published on the website of the Examination Board and/or in the Rules and Regulations of the Examination Board.
3. A complete and detailed study progress overview (SPO) from Osiris has to be added by the student in all cases.
4. Students are strongly advised to consult their study advisor before submitting a request.
5. If a request is submitted because of personal or medical circumstances, these circumstances and underlying documentation may be discussed with the study adviser. If the study adviser can confirm these circumstances to the subcommittee, the underlying documentation may not have to be provided to the subcommittee.

ARTICLE 4.2: DECISIONS OF SUBCOMMITTEE'S REGARDING STUDENT REQUESTS

1. Decisions are taken in an (online) meeting or via e-mail correspondence. For the latter, private information is avoided as much as possible.
2. Decisions can be taken only if at least half of the members take part in the discussion and are taken by a majority decision. In case of a tie, the chair decides;
3. In urgent cases, a decision can be taken even if there are not enough members available for a discussion and if the chair deems the decision routine or too urgent to delay
4. The subcommittee can ask advice from staff or external experts, either before the meeting or by inviting them to the meeting.
5. The subcommittee will inform the student about its decision in writing or via (UT-student) email within 10 working days of the date the decision was taken, but no later than eight weeks after receipt of the request. If the decision cannot be taken within eight weeks, the subcommittee will inform the applicant and will specify a reasonable period within which the decision can be met. An appeals clause will be included in the writing.
6. In case of an incomplete or inadequate request, a recovery period can be set. If this period is exceeded, the request will be withdrawn from consideration. The decision period shall be suspended from the day the applicant is invited to restore the request until the day on which the request is restored or if the recovery period has expired unused.

ARTICLE 4.3: SPECIFIC REQUESTS

4.3.1 DEGREE RELATED REQUESTS

Award of a degree:

1. Students who are about to finish the final requirements for their degree have to apply for the degree examination using the degree programme's examination application form.

Deviation from the guidelines for Cum Laude:

1. A request for a deviation from the guidelines for Cum Laude ('with distinction') laid down in the EER must be made before the degree is awarded.

Postponement of a degree:

1. The request to postpone the final degree audit and the presentation of the certificate has to include the reason(s) for postponement, the preferred duration of postponement,

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and if applicable in case of extra-curricular courses, a written consent by the degree programme. The maximum duration of postponement is 12 months.

2. If no postponement has been approved, then the subcommittee can decide to award the degree even if the student has not applied for the award of the degree.
3. The power to grant postponements is mandated to the registrar of the subcommittee.

Issuance of a written transcript:

1. The power to issue a certified grade lists is mandated to the Student Services' helpdesk.

4.3.2 PROGRAMME RELATED REQUESTS

Flexible / Elective degree programme

1. A request for a flexible / elective degree programme (art. 7.3h WHW, art. 3.5 EER) has to be discussed beforehand with the programme board of the related degree programme. The outcome of the discussion should be mentioned in the request of the student.
2. The subcommittee decides on the request by the following criteria:
 - a. the relevance to the student;
 - b. difference of at least 30 EC (excluding minor space) with related degree programme;
 - c. cohesiveness;
 - d. level;
 - e. the way in which learning objectives of the related degree programme are fulfilled.

Free minor:

1. The power to approve individual minor programmes is under certain circumstances mandated to the programme board.
2. In terms of learning objectives, the proposed course options must contribute to the degree programme's learning objectives in the same manner as the regular minor options;
3. The proposal must not overlap with compulsory or elective study units (or portions thereof) of the student's degree programme;

Other programme deviations

1. Any deviation from the regular programme is subject to approval by the subcommittee. This pertains for instance to the replacement of (partial) mandatory study units by equivalent ones in the Bachelor, or to a selection of study units that deviates from the conditions of the programme-specific MSc-EER.
2. For master programmes, the power to deviate from the programme has been partially mandated to programme boards or the programme mentor in the case of a specialisation.
3. Successfully taken exams for study units, either before or after passing the final examination of a degree, that are not part of the degree programme, but which could have been part of the degree programme, will be examined upon request, in the form of an extended examination. As proof that the extended examination has been completed successfully, the subcommittee can, upon request, issue a separate statement.

Combined degree

1. Students can request approval of a programme that leads to a degree in two separate degree programmes at the UT, or to a combination of an UT degree and a degree at another (partner) academic institution.
2. A request for a combined degree has to be discussed beforehand with the programme board of the related degree programmes. The outcome of the discussion should be mentioned in the request of the student.

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3. Requests for approval for an MSc combined degree programme have to comply with the criteria specified in art. 3.6 of the MSc EER, Faculty Section.
4. Requests for approval of a BSc combined degree programme, other than the pre-specified double degree programmes in the programme specific appendices to the BSc EER, need to comply with the following criteria:
 - a. The requested programme of courses represents an amalgamation of two (possibly) separate degree programmes and satisfies the requirements relating to the PILOs of both degree programmes;
 - b. Two-degree bachelor programmes consist of at least 240EC.
 - c. A 15 EC minor component has to be part of the combined degree programme.

4.3.3 STUDY-UNIT RELATED REQUESTS

Exemption for a (partial) study unit

1. Exemption for a (partial) study unit is granted if the subcommittee is convinced that the student
 - a. has at another programme successfully completed a course component that is equivalent in terms of both content and level; or
 - b. has demonstrated through his/her work and/or professional experience that he/she has sufficient knowledge and skills with regard to the relevant course component.
2. Requests for exemptions ought to be sent to the board at least 10 weeks before the start of the course for which the request for an exemption is meant. If the request is sent later and still pending during the course for which the exemption is requested, then the student is expected to participate actively in this course at least until the Board has taken a decision. The Board may decide not to grant an exemption for a practical assignment if the course is at an advanced stage, and the grade of other students depends on the effort of the student.
3. Students may be exempted from the requirement to participate in practical exercises if they can demonstrate that they have reason to believe that doing so will give rise to a moral dilemma. In such cases, the subcommittee will decide whether the component can be carried out in another manner to be determined by the subcommittee.
4. A request for an exemption has to be accompanied by formal evidence (e.g., diplomas). The credits of the exempted (component of the) study unit, if granted, will be registered in OSIRIS with a "EX" (Exemption). If the exemption is based on the results of another course within this university or another Dutch university then the subcommittee might decide to change the student's programme by replacing the exempted unit by this earlier passed course with the corresponding grade.
5. Instead of granting an exemption, the subcommittee may decide that the student should instead do an extra replacement unit; in particular if the original study unit is part of a programme that has already been awarded with a degree.

Dispensation of prior knowledge requirements

1. Some courses (for instance, internships and the final projects of a degree programme) have prior knowledge requirements, which may involve specific other study units that have to be passed first, or (in the case of a final project) a number of credits that has to be obtained. A student may request dispensation of these rules based on unreasonable effects, (For instance an unreasonable delay)

Deviation from the test schedule

1. Any deviation from the test schedule of a study unit is subject to approval by the Examination Board. This pertains for instance to extra test or exam opportunities
2. If a student fails to pass (part of) a study unit because of exceptional personal or medical circumstances, the subcommittee may grant in exceptional cases an extra test opportunity in addition to the regular opportunities scheduled in any academic year, all depending on the specific situation of the student;

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3. The deadline for requests as specified under 3 is 20 working days after the date of the regular resit date. If there is not a regular resit scheduled, the deadline is 20 working days after the regular exam opportunity.
4. If a student has finished his/her studies except for one test, the subcommittee may also grant an extra test opportunity. The subcommittee decides on the request taking into account:
 - a. whether the student meets other requirements for the study unit;
 - b. whether the next regular test opportunity is within six months after obtaining the last but one exam;
 - c. whether the student sat the test at least (if possible) two times and attained a score of at least 4.0;
5. An extra test opportunity is only given once for one specific test per academic year.
6. When granted an extra test opportunity, this extra opportunity is only valid until the next regular test opportunity.
7. If exceptions are granted as a rule, they should instead be part of the rule, i.e., the test schedule itself should be modified, subject to the conditions imposed in the EER, by the examiner so as to take this into account.
8. In special cases, for purpose of repair, the examiner is mandated the authority to decide to ask a student or group of students to supplement a study unit exam.
9. If two tests or exams are taken at the same time, students can request a quarantine procedure, in which a situation is created for a student to take tests or exams consecutively in isolation. The study advisor has been mandated to approve requests for a quarantine procedure (see Appendix 1).

Extension of the validity of partial result

1. In case a test result of a partial study unit has a limited validity according to the programme-specific appendix to the EER, the subcommittee can extend its validity on an individual basis. A request has to be submitted within 10 weeks after obtaining the test result and has to include the proposed period of extension and a study plan.

Facilities for students with a functional impairment

1. Students with a functional impairment can apply for facilities and arrangements according to the procedure described on the SACC website¹.
2. Study advisors can approve the student's request for facilities on behalf of the Faculty Board but can decide that the student should send a request to the subcommittee if the requested facilities might influence the effectiveness of testing the student's qualifications during a test or exam.

4.3.4 OTHER REQUESTS

This is the type to be used for student requests when none of the other types apply.

SECTION 5 – EXAMINERS AND EXAM SUPERVISORS

ARTICLE 5.1: APPOINTMENT

1. For each study unit, one or more examiners per unit of study are appointed by the EB upon recommendation by the programme board, at least two weeks before the start of the course. The programme board is responsible for delivering relevant information about the examiners to be appointed in a timely fashion.
2. In case of an urgent appointment during the academic year, the programme board delivers a short letter to motivate:
 - a. the necessity of the appointment;
 - b. the examiners expertise.

¹ <https://www.utwente.nl/en/ces/sacc/personal-circumstances/>

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3. For each study unit an examiner is appointed. If the study unit consists of several tests, examiners might be appointed for each part of the study unit. However, in the latter case there is also an examiner who is responsible for the overall study unit.

ARTICLE 5.2: CRITERIA FOR APPOINTMENT EXAMINERS

1. The examiner is a member of the academic staff of the UT (Dutch abbreviation: WP)
2. The examiner must have either a UTQ certificate (or equivalent), an SQE certificate, or is in the process of acquiring a UTQ or SQE certification, in which case the timeline of finalizing must be indicated.
3. In case the test or exam is taken in English, the examiner must meet the conditions for English language proficiency as set in the UT language policy (C1/C2). This must have been verified by the programme or an exemption must have been granted by the dean.
4. An examiner for units of study in MSc programmes holds a PhD or an EngD degree in a field related to the master programme.
5. An examiner for units of study in BSc programmes holds at least an MSc or Ir. degree and holds preferably a PhD degree or is conducting PhD research².
6. The EB has the authority to make exceptions to these requirements which is mandated to the relevant subcommittee.
7. The EB has the authority to terminate the appointment of an examiner before the end of the appointment term in case he or she fails to adhere to the rules and guidelines for assessment set out in the EER and these R&Gs which is mandated to the relevant subcommittee. The chairman motivates its decision to the programme board(s).
8. If people are involved in grading, for example student assistants, who do not satisfy the requirements outlined above in item 3, 4 or 5, the examiner needs to take additional measures to ensure the quality of the test as outlined in Article 6.2.

ARTICLE 5.3: ADDITIONAL CRITERIA FINAL-PROJECT EXAMINERS

1. The final-project committee consists of at least two examiners,
 - a. of whom at least one holds a PhD or EngD for bachelor final projects.
 - b. of whom both hold a PhD or EngD for master final projects.
2. A senior examiner is an experienced examiner who has been involved in the evaluation of numerous final projects. The relevant subcommittee sets guidelines with regard to seniority in cooperation with programme management.
3. One examiner is appointed as senior examiner by the subcommittee.
4. Third parties can be advisors to the final project committee.
5. Additional programme-specific requirements can be found in the programme specific appendices to the EER.

ARTICLE 5.4: ADDITIONAL CRITERIA ORAL-TEST EXAMINERS

For an oral test, there must be proof that the student was treated fairly and that the assessment is reliable. This can be demonstrated by, for example, the presence of a second teacher or a recording of the oral test itself.

² In general, the examiner is expected to have obtained a degree that is at least one degree higher than degree of the programme he or she is examiner for.

SECTION 6 – ASSESSMENT

ARTICLE 6.1: GENERAL

1. The BSc and MSc EERs give instruction on course descriptions and assessment schemes (art. 4.4 BSc and MSc EER) and put time restraints on the grading and publication of grades of assessments (art. 4.6 BSc. and MSc. EER)
2. If a study unit is primarily based on group work, then the assessment (and the associated assessment plan) will explicitly include measures to ensure that each individual student has participated in a satisfactory manner.
3. If it becomes apparent that a mistake has been made concerning the ability to complete the test within the available time, the clarity of the question or the level / difficulty of the test, the examiner may apply adjusted marking standards. These new marking standards must not affect the students adversely and the Examination Board has to be notified if the changes can affect the grade of the test or exam by more than 0.5 grade point.
4. Additional guidelines for assessment defined in the assessment policy of the Faculty of EEMCS are adopted automatically unless the EB explicitly decides otherwise.
5. In written exams, the maximum number of points obtainable will be indicated for each question.

ARTICLE 6.2: DEPLOYMENT OF TEACHING ASSISTANTS

1. In some situations, teaching assistants may be deployed as graders.
2. The following conditions must be met:
 - a. the student assistant has, to the examiner's judgment, a good level of understanding of the subjects underlying the tests;
 - b. the examiner has drawn up detailed instructions for grading the tests;
 - c. the examiner has personally assessed several assignments in advance and discussed these with the student assistant(s);
 - d. marks of 5.0 and 6.0 (or in between) must be reviewed by the examiner;
 - e. once the marking is complete, the examiner will carry out a random check to ensure the marking is appropriate;
 - f. a student assistant will inform the examiner of any conflicts of interest and will exempt him/herself from grading the test in question.
 - g. the examiner takes steps to ensure the careful handling of the material to be assessed by the student assistant(s).

ARTICLE 6.3: SAFEGUARDING ASSESSMENT QUALITY

1. In safeguarding assessment quality, the EB focuses on the levels of the Quality Pyramid of Contemporary Testing and Assessment³:
 - a. assessment policy
 - b. assessment plan (incl. PILOs) and transitional arrangements for older generations / cohorts;
 - c. tests, based on table of specifications, module descriptions, student evaluations and reports of a test-committee (incl. link between learning goals and final attainment targets), with special attention to final projects, based on evaluation forms, reports, and reassessments of theses;
 - d. organisation of assessments;
 - e. ability to test, based on qualifications of examiners (appointment based on requirements as determined in art. 5.2 of these R&G's).

³Inspectie van het Onderwijs (Feb. 2016). De Kwaliteit van de Toetsing in het Hoger Onderwijs.

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2. The subcommittee has at least three meetings per year with the programme board to discuss assessment quality, of which minutes are made by the subcommittee and shared with the programme board.

ARTICLE 6.4: ORGANISATION & PROCEDURES

1. Appendix 3 of these R&Gs describes the rules of order, rules in the event of an emergency and procedure regarding written tests.

ARTICLE 6.5: FINAL EXAMINATION

1. The Examination Board is responsible for determining a student has met all the requirements of a degree programme via a final examination (WHW art.7.12 par.2).
 - a. If the examinations of the study units belonging to a degree programme have been passed but the Examination Board has doubts whether the student has met all the requirements of a degree programme, it has the authority to determine an additional investigation, to be carried out by itself, is included (WHW art.7.10 par.2).
 - b. Under conditions set by itself, the Examination Board has the authority to decide it is not necessary to pass every examination to determine the final examination has been passed (WHW art.7.12b par.3).
2. The programme board has to inform students about the procedure of the final examination and the possibility of an additional investigation no later than the start of the Final Project of the degree programme.

SECTION 7 – ACADEMIC MISCONDUCT

ARTICLE 7.1: SCIENTIFIC INTEGRITY

1. Students are expected to apply the standards of scientific integrity to their work. Standards of scientific integrity are described in the European Code of Conduct for Research Integrity⁴ and the Netherlands Code of Conduct for Research Integrity⁵.
2. Academic Misconduct is defined in Section 9 of the Students' Charter of the University of Twente.

ARTICLE 7.2: ACADEMIC MISCONDUCT

1. To prevent academic misconduct:
 - a. Students are informed about what is considered academic misconduct, rules for citation and procedural rules for written and exams by the programme board at the start of their studies;
 - b. Students are informed by the programme board at the start of their studies that plagiarism checkers can be used where applicable;
 - c. Students are informed which materials and devices are allowed for every specific test by the examiner at the start of teaching.
2. Appendix 4 of these R&Gs describes the general procedures to investigate suspicions of academic misconduct arising during assessments.
3. If academic misconduct is found to have occurred, the test/exam will in any event be declared invalid and the subcommittee may deprive the student of the right to sit one or more tests, interim or other examinations to be specified by the subcommittee.

⁴https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/european-code-of-conduct-for-research-integrity_horizon_en.pdf

⁵https://www.nwo.nl/sites/nwo/files/documents/Netherlands%2BCode%2Bof%2BConduct%2Bfor%2BResearch%2BIntegrity_2018_UK.pdf

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4. If academic misconduct has occurred in group work, measures can be allocated equally to all group members whenever it is unclear who in the group is responsible for the misconduct.
5. In case a written test is taken remotely during a calamity, and an academic misconduct among a group of students is determined via, for instance, statistical analysis, and the examiner is not able to identify each and every individual student committing the academic misconduct, the written test can be declared invalid for all or a specific group of students after consulting the responsible subcommittee.
6. Students who provenly committed academic misconduct can be excluded from a specification of excellence.
7. In cases of serious academic misconduct, the Executive Board may, on the subcommittee's recommendation, permanently terminate the enrolment of the student concerned in the degree programme.

SECTION 8 – PRIVACY

ARTICLE 8.1: ASSESSMENT RESULTS

1. In accordance with the European General Data Protection Regulation, assessment results are only shared with the student, relevant bodies in the university organisation, and the accreditation authorities, unless explicitly allowed by the student.
2. The assessment results can be published individually on the Electronic Learning Environment (Canvas) sites of the unit of study where the assessment took place.

ARTICLE 8.2 RECORDINGS

1. Oral tests are recorded, for quality control or for processing an appeal by the student, when only one examiner is present.
2. Remote exams can be recorded with proctoring software for fraud detection. Proctorio records screen activity, webcam and/or audio during and exam with proctoring. Proctorio is not able to access this data. When each exam is completed, Proctorio issues a risk score for each student based on parameters set by the UT. Based on these scores, a reviewer will check the recordings in order to detect potential fraudulent behaviour. Reviewers will also look at the comments students have left and will choose another sample at random.
3. In accordance with the European General Data Protection Regulation, recordings are only accessible by relevant bodies in the university organisation, and the accreditation authorities, unless explicitly allowed by the student. The student is entitled to review the recording but need not be provided with a copy.
4. The recordings of oral tests are removed:
 - a. 30 days after the exam had taken place in case no complaint was filed by the student at the Examination Board.
 - b. In case a complaint has been filed, the recordings are removed 6 weeks after the day the student was informed about the decision of the Examination Board or board of appeals for examinations if no further appeals have been filed.
 - c. The examiner is responsible to ensure that these recordings are deleted.
5. The recordings of remote exams are deleted 30 days after the exam has taken place. When there is no decision yet regarding potential fraud, the recordings may be saved longer.
6. A student can refuse an oral test or remote exam with a recording, however, might be offered an alternative assessment method at a later date, possibly resulting in study delay.

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SECTION 9 – DEROGATION AND CHANGES

ARTICLE 9.1: CONFLICT WITH THE RULES & REGULATIONS

1. The guidelines and instructions stated in these R&Gs have been formulated within the framework of the EER. If they conflict with the EER, the provisions in the EER prevail.
2. If other supplementary regulations and provisions conflict with these R&Gs, the provisions in these R&Gs prevail.

ARTICLE 9.2: DEROGATION AND CHANGES

1. In cases of demonstrably compelling unreasonableness or unfairness, the EB may allow deviation from the provisions of these R&Gs.
2. In case of a clear and apparent mistake in the publication of a test or exam result, all parties, including the student, have the obligation to report the mistake as soon as possible to one another and to cooperate in finding a solution for any consequences that are to the disadvantage of the student.
3. The EB will decide in cases which are not mentioned in these R&Gs.
4. The EB will evaluate these R&Gs on a yearly basis. Changes in these R&Gs are published on the website of the EB. Changes of these R&Gs during the academic year cannot be to the disadvantage of students.

ARTICLE 9.3: APPEALS & COMPLAINTS

1. Students can submit an appeal against the decision of the examiner and/or a subcommittee in writing to the Student Services' Complaints Desk at the university's Centre for Educational Support within 6 weeks of notice of the decision.

ARTICLE 9.4: PUBLICATION

These R&Gs are published on the Examination Board's website.

ARTICLE 9.5: ENTRY INTO FORCE

These R&Gs will enter into force on September 1, 2022, and replace the R&G of September 1, 2021

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APPENDIX 1 QUARANTINE PROCEDURE

1. If two exams are taken on-campus at the same time, students can request a quarantine procedure, in which a situation is created for a student to take exams consecutively in isolation. The study advisor has been mandated to approve requests for a quarantine procedure.
2. A student is entitled to a break (with supervision) between exams of 25% of the time of the longest test or exam.
3. Decisions must be reported to the relevant subcommittee.

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APPENDIX 2: RULES OF ORDER DURING ON-CAMPUS WRITTEN TESTS

This appendix describes the rules and procedures to be followed for written tests⁶ taken at the University of Twente. It applies to tests in those degree programmes of which the Examination Board has adopted these rules as part of their Rules and Guidelines.

2.1 TERMINOLOGY

- A test is the actual set of questions and assignments that the students have to answer and perform. The examination refers to the process in which they do so.
- An examiner is the person responsible for setting the test and (afterwards) for assessing the results. In contrast, an exam supervisor is a person supervising the examination. They may be one and the same person.

2.2 GENERAL RULES

1. Students may enter the room from 15 minutes prior to the official start time of the examination and will be admitted until at most 30 minutes after the official start time.
2. Students may not leave the room during the first 30 minutes or the last 15 minutes of the official period of examination.
3. Students who did not enrol for the examination do not have a right to take part and may only do so if there are enough seats and test copies available. The exam supervisor may ask students who did not enrol to leave the room, during the first 30 minutes after the official start time of the examination.
4. Students have to identify themselves during the examination by placing their student card (or, failing that, a certified ID⁷) visibly on the table at the start of the examination.
5. A brief bathroom visit is only permitted if approved by the exam supervisor. Only one person at a time may be given permission. Where necessary and feasible, an exam supervisor will accompany the student to the bathroom⁸. Bathroom visits will not be permitted during the first 60 minutes and last 30 minutes of the examination.
6. If there is a designated area for placing bags and/or coats, all students should place those items there before the start of the examination. If there is no such designated area, all students should place their bags and coats under their table. Mobile phones, smart watches and other devices that are not explicitly approved by the exam supervisor (see next point) must be placed in the bags and switched off.
7. Students may only use those resources (books, notes, calculators etc.) that are explicitly approved by the exam supervisor. Any violation of this (including the possession of unauthorised resources that are not actually used) will be considered attempted fraud and will be reported to the subcommittee.
8. Students are not allowed to communicate directly or indirectly with others during the examination. Any violation of this will be considered attempted fraud and will be reported to the subcommittee.
9. The examination officially starts and ends at the instigation of the exam supervisor. When the end is announced, all students should stop writing. Students should follow the procedure for handing in their results as announced by the exam supervisor.

⁶ Written tests include those that are written on a digital device (e.g., chrome book) in the exam room

⁷ This applies to students who forgot their student card or (in rare cases) do not yet have one. A certified ID is a passport, driver's license, or any other official proof of identity that bears both the student's name and a photograph

⁸ Accompanying students to the bathroom may not be necessary, as in Therm where the bathrooms are not accessible from anywhere but the examination room, and it may not be feasible, as in cases where there is only a single exam supervisor

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10. Unless decided differently, all examination papers, including questions, answer sheets and scrap paper, should be handed in by the students before they leave the room at the end of their examination.
11. Students should follow any additional rules and procedures announced by the exam supervisor. Any failure to do so will be reported to the subcommittee.

2.3 RULES IN THE EVENT OF EMERGENCIES FOR ON-CAMPUS EXAMS

1. If an emergency arises or threatens to arise during or shortly before an exam, the exam supervisor will be authorized to take action and the students must follow the instructions of the exam supervisor.
2. If emergencies arise or threaten to arise shortly before an exam, the following will apply:
 - a. The examination will be postponed immediately if the emergency is not resolvable within a reasonable timeframe.
 - b. The examiner will set a new examination date in consultation with the programme board.
 - c. The new date for the exam, which will be within one month (not counting holiday months), will be binding. This will be published through the usual channels within three business days.
3. If an emergency occurs or is expected to occur during an exam, the following actions must be taken, if possible:
 - a. those present must immediately leave the examination room on instruction from the responsible body or the exam supervisor;
 - b. students will leave any examination work done in the examination room (students should indicate their names and student numbers on all the examination work at the start of the examination);
 - c. the examiner will, in consultation with the programme board, determine what has to be done with the tests;
 - d. if the examiner, based on paragraph 3c, is not able to determine a mark, a resit is organised for the affected students within one month (not counting holiday months) of the date of the exam interrupted by the emergency. This will be published through the usual channels within three business days.
4. The rules regarding emergencies will also apply to emergency drills.

2.4 PROCEDURE FOR HANDING IN WRITTEN TESTS

This is a general procedure to hand in results of a written test. Note that this only applies to tests that are taken on paper, in contrast to the rules-of-order for written tests above.

1. Students who have finished the test more than 15 minutes before the end of the examination may raise their hand and have their results collected by the exam supervisor. After doing so, they should collect their belongings and leave the room quietly.
2. Students who have left the room after handing in their results should immediately move outside audible range.
3. Students who have finished the test during the last 15 minutes of the examination may raise their hand and have their results collected by the exam supervisor. After doing so, they should remain seated until the end of the examination.
4. The end of the examination is announced by the exam supervisor. All students should stop writing at that moment. (But see Clause 6.)
5. After the end of the examination has been announced, the exam supervisor will collect the outstanding results. All students should remain seated as long as the exam supervisor is doing this. As soon as all results have been handed in, students should collect their belongings and leave the room quietly. (See also Clause 2.)

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6. The rules above apply mutatis mutandis to students who are entitled to extra time. In particular, they need not stop writing when the exam supervisor announces the regular end of the examination.

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APPENDIX 3: ASSESSMENT RULES DURING A CALAMITY

This appendix describes the rules and procedures to be followed for tests taken remote. It applies to tests in those degree programmes of which the Examination Board has adopted these rules as part of their Rules and Guidelines.

1. Changes in assessment during the quartile due to calamities must be approved by the programme board after consulting the examination board (EER 21-22, Art 4.4.7).
2. In accordance with article 7.10 WHW, part 2, the Examination Board might have to introduce an additional investigation to certify whether students have achieved the PILOs even though the students have passed all required tests.
Long-term unreliable testing or inability to perform practical assignments might compromise the ability of the Examination Board to certify that students achieve the programme intended learning outcomes (PILOs).

3.1 RULES REMOTE TESTING

1. Remote testing is only allowed in case of a calamity where organising a test on campus is no longer reasonably possible.
2. If an individual student cannot participate in the on-campus test due to circumstances related to the calamity then the student is in this case not entitled to an extra exam opportunity. In case of hardship, the student can appeal to the Examination Board for an extra exam opportunity.
3. If on-campus testing is only possible for a subset of students and a substantial number of students cannot participate in the on-campus testing then, parallel, remote testing can be introduced. In this case, students can only participate in the remote test after prior permission from either the Examination Board or a person mandated by the Examination Board to take these decisions. Moreover, the remote test can be different in content and style to adhere to the different circumstances in which the exam is conducted.

3.2 ORAL EXAMS

1. Oral exams can be held via a video link.
2. For an oral exam, there must be proof that the student was treated fairly and that the assessment is reliable. This can be demonstrated by, for example, the presence of a second teacher or a recording of the oral test itself.
3. According to the EER by default oral exams are public. If oral exams are introduced during a calamity as a replacement or addition to written tests then the oral exams are, by default, closed for outsiders.

3.3 RULES OF ORDER FOR REMOTE EXAMS

1. Students are responsible for having a properly working device (laptop or computer) without a second screen, a properly working internal or external webcam (not a mobile phone), a properly working internal or external microphone, a stable internet connection, and your University of Twente student card or ID.
2. The examiner can enforce the use of proctoring software (Proctorio) to monitor the student during the exam using a microphone/webcam.
3. In addition to art. 1, when taking an exam with proctoring, students are responsible for having a device that meets the requirements for the proctoring software package Proctorio and a compatible browser with the Proctorio Extension installed.
4. Students should be provided with a method to test their computer, internet connection and associated software to ensure everything is in working order.

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5. Students may only use those resources (books, notes, calculators etc.) that are explicitly approved by the exam supervisor. Any violation of this will be considered attempted academic misconduct and will be reported to the examination board.
6. Except from allowed resources (e.g., scrap paper or books), the student's desk or table must be clear from objects.
7. Beyond the student's desk, no resources may be within a radius of 1 meter from the student's body.
8. A desk scan (video recording of desk or table) is required prior to each proctoring exam.
9. Students might have to identify themselves during the examination by placing their student card (or, failing that, a certified ID) and extra timecard visibly in front of the webcam 5 minutes prior to the official start time of the examination.
10. In case of a hand-written exam, students can download the written test from 5 minutes prior to the official start time of the examination until at most 30 minutes after the official start time.
11. In case of a hand-written exam, students are to upload their written test within 15 minutes after the end time of the examination by taking pictures of their work and uploading them in a single combined PDF file. In case the time limit is exceeded, the exam might be declared invalid by the examiner.
12. Students may not take the exam in each other's vicinity (different house, same house but different room is only allowed in case of house mates).
13. Students are not allowed to communicate directly or indirectly with others than the exam supervisor during the examination. Any violation of this will be considered attempted fraud and will be reported to the Examination Board.
14. Students are not allowed to use the bathroom during an exam with proctoring.
15. Students should follow any additional rules and procedures announced by the exam supervisor. Any failure to do so will be reported to the Examination Board.
8. If the examiner has objective grounds to seriously question the reliability of a remote test, then the test results might be invalidated for all or a group of students after consulting the responsible subcommittee.

3.4 RULES IN THE EVENT OF EMERGENCIES

1. If an individual student is affected by an emergency (such as failing internet/computer/software), the student must contact the exam supervisor as soon as possible, but no later than the deadline for submitting the exam. The exam supervisor will be authorized to take action and the students must follow the instructions of the exam supervisor. If the issue cannot be resolved the student will not receive a grade. The student is in this case not entitled to an extra exam opportunity. In case of hardship, the student can appeal to the examination board for an extra exam opportunity.
2. If an emergency, affecting 25% or more of the students taking the exam, arises or threaten to arise shortly before or during an exam, the following may apply:
 - a. The time limit is extended for the affected students, or
 - b. the test will be postponed for the affected students.
 - c. In case the test is postponed, the examiner will set a new examination date in consultation with the programme board.
 - d. The new date for the test, which will be binding, will be published through the usual channels within three business days.

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APPENDIX 4: PROCEDURE FOR SUSPECTED ACADEMIC MISCONDUCT

1. If academic misconduct is suspected, the exam supervisor or examiner informs the student about the observed irregularities, collected evidence if applicable, procedure for reporting the misconduct to the subcommittee and suspends marking pending investigation.
2. In case of observed irregularities during a written test, after being informed by the exam supervisor or examiner the student may continue the test or choose to stop; in the latter case, the work should be handed over to the exam supervisor.
3. the exam supervisor or examiner writes a (brief) report describing the assignment, his/her findings, the student(s) involved and the circumstances and if applicable proof of evidence. This report is submitted to the subcommittee. The subcommittee will address this report in the next subcommittee meeting.
4. The student(s) and the exam supervisor will be given an opportunity to be heard by the subcommittee. In case the student admits the committed misconduct upfront, a hearing may not be necessary.
5. After the hearings, the subcommittee will determine whether academic misconduct has occurred and what measures will be taken.
6. In principle, the student will be informed of the decision no later than 6 weeks after the suspicion of fraud has arisen. Exceptions can be made in complicated cases that need further investigation by the subcommittee.