Programme-specific appendix to the
Education and Examination Regulations (EER)
2020-2021

for the Bachelor of Science programme

Communication Science (B-COM)
dd. 31-08-2020

Contents

1. Structure and Study Units of the programme

1a. Programme content (incl. study units)

The programme consists of three academic years (B1, B2 and B3) of 60 ECs each. The academic timetable for the programme consists of two semesters per year (September-January and February-July), each semester consisting of two quarters of ten (or eleven) weeks each. In the first and second year, every quarter, a student takes part in one coherent module consisting of four study units, a 'coherent module' of 15 EC (420 hours). In the third year students do electives in the first semester and finalize their bachelor with two stretch modules in the second semester. A global overview of the programme structure is presented in Tables 1, 2 and 3.

The Bachelor's programme is based on the so-called Twente Educational Model (TEM), which means challenging themed project education. Each coherent module centers on a specific project, which reflects a contemporary challenge at the crossroads of communication, organization, technology and design. Each coherent module consists of four study units: Project (P), Theory (T), Research (R) and Academic and Professional Skills (S). The core of each module is the Project which reflects a contemporary challenge. To solve this challenge, students will get input form the other three study units. This means that students will get acquainted with the theoretical underpinnings of the specific issues at stake (Theory), they will know how to study the topic at hand and conduct own research (Research) and how to effectively communicate (Skills: academic and professional skills, graphic, film and animation, intercultural skills and reflection).

Within the coherent module, students work in the Project study unit in groups on project-oriented assignments and gain new knowledge independently (under the support and supervision of tutors). Such a teaching approach requires a variety of assessment forms in the coherent module– individual and group assignments, individual written tests, group papers and presentations, etc. - which are applied at different phases along each coherent module. Following article 4.4 of the central EER, more detailed information on the exam formats (assessment scheme) can be found at the Electronic Learning Environment (Canvas site) of each coherent module.

A module has a duration of one quarter (typically ten calendar weeks) and students subscribe every quarter for one module, not for separate study units. In other words: a module is offered as one educational unity and students take it as such. This is the rule that applies to every student and will only be deviated of in case of special personal circumstances, however with the disadvantage of losing – at least partly - the synergy between the study units within a coherent module. This has to be discussed with the study adviser.

Bachelor's thesis

The coherent module Bachelor thesis COM at the end of the third year of the programme (introduced in quarter 3.3 and continued in quarter 3.4) has a different structure than the other modules. Here, students show their acquisition of the competences specified in the intended learning outcomes/ qualifications of the programme. The Bachelor thesis COM is a research-oriented assignment that contributes to existing knowledge within the Communication Science field of inquiry. The assignment includes justified choices towards theory, practice and design. More details can be found in OSIRIS and on the Canvas site of this module.

Table 1: Curriculum 2020-2021, first year (B1) BSc Communication Science (COM)

Module	Name study unit	Examiner	EC
1. We connect society (202000265)			
202000266	Popularizing global challenges (P)	Galetzka, dr M.	3
202000267	Intro to communication science (T)	Galetzka, dr M.	4
202000268	Research methods & statistics 1 (R)	Dijk, M.A.J. van MSc	5
202000269	Professional writing & design skills (S)	Tollenaar, drs. W.B.	3
2. Understanding media (202000270)			
202000271	Effects of media use (P)	Jacobs, dr. R.S.	4
202000272	Media psychology (T)	Jacobs, dr. R.S.	5
202000273	Survey analysis (R)	Dijk, M.A.J. van MSc.	5
202000274	Theoretical framework & presenting (S)	Tollenaar, drs. W.B.	1
3. The innovation journey (202000275)			
202000276	Stakeholder & reputation management (P)	Gosselt, dr. J.F.	5
202000277	Public relations of innovations (T)	Gosselt, dr. J.F.	4
202000278	Big data & text mining (R)	Berg, dr. S.M. van der	3
202000279	Media framing & crisis response (S)	Gosselt, dr. J.F.	3
4. Design for user experience (202000280)			
202000281	P: User-centered design	Karreman, dr. J.	4
202000282	T: Human-technology interaction	Karreman, dr. J.	4
202000283	R: Usability testing & interviewing	Karreman, dr. J.	4
202000284	S: Business case proposition	Hoof, dr. J.J. van	3

Table 2: Curriculum 2020-2021, second year (B2) BSc Communication Science (COM)

Module	Name study unit	Examiner	EC
5. Facilitating technological change (202000285)			
202000286	Stakeholders and technological innovations (P)	Hoof, dr. J.J. van	5
202000287	Science communication & public relations (T)	Hoof, dr. J.J. van	5
202000288	Qualitative methodology 2 (R)	Hoof, dr. J.J. van	3
202000289	Popularizing science (S)	Tollenaar, drs. W.B.	2
6. The privacy paradox (202000290)			
202000291	Promoting privacy protection behaviour (P)	-vacancy-	5
202000292	Online communication and privacy (T)	-vacancy-	6
202000293	Big data analytics (R)	Berg, dr. S.M. van der	3
202000294	Audio-visual design (S)	-vacancy-	1
7. Communication by design (202000295)			
202000296	Design for behavioural change (P)	Rompay, dr T.J.L. van	5
202000297	Consumer behaviour & design research (T)	Rompay, dr T.J.L. van	3
202000298	Quantitative data analysis 2 (R)	Dijk, M.A.J. van MSc.	4
202000299	Academic writing and presenting 2 (S)	Tollenaar, drs. W.B.	3
8. Changing organizations (202000300)			
202000301	Leadership & communication in modern society (P)	-vacancy-	5
202000302	Organizational communication (T)	-vacancy-	4
202000303	Qualitative methodology 3 (R)	-vacancy-	3
202000304	Consultancy (S)	Tollenaar, drs. W.B.	3

Table 3: Curriculum 2020-2021, third year (B3) BSc Communication Science (COM)

Module	Name study unit	Examiner	EC
9.	Minor, internship or exchange		15
10.	Minor, internship or exchange		15
11. Philosophy and communication (20200305)			
202000306	Communication and the future (P)	Vuuren, dr. H.A. van	5
202000307	Philosophy and communication (T)	Vuuren, dr. H.A. van	5
12.	Bachelor thesis (20200309)	Tempelman, drs. M.H.	20

The following study units must also be completed; for more information, see 7c.

Code study unit	Name study unit
192480300	Test subject hours, B1
192480400	Test subject hours, B2 and B3

1b.   Study load of the programme and of the study units
The programme has a total study load of 180 EC (1 EC = 28 hours of study). The study load of each of the study units making up the programme is listed in EC in Tables 1, 2 and 3.

1c.   Programme specific skills (including full-time programme, or part-time/dual programme)
The programme is a full-time programme.

1d.   Honours programme/Star programme (incl. admission and selection procedure)
For students obtaining excellent results there are two options for doing something extra up and above the standard programme: the Star programmes within the Communication Science programme and the UT's Bachelor Honours programme.

The Star programme
A Star programme is offered in five out of the eight core modules of the programme (in module 2, 3, 4, 7 and 8). Participation in a Star programme implies that the selected students will do an individual assignment that focuses on more in-depth knowledge or skills related to the module's content. If this assignment is finished successfully (to be decided by the module coordinator), the student receives an excellence Star. Based on their individual exam grades in the previous quarter/module, the top 10% of the students are invited to participate. Successful participation in this programme, including the total number of excellence Stars obtained, will be mentioned on the diploma supplement. Successful participation in the Star programme of at least three modules may result in graduating with distinction. See section 8d.

The UT's Bachelor Honours programme
This programme starts every year in February and is for the top 5% of first year students of each study only. In nearly one and a half year students follow a programme of 30 EC. Three variants are offered, in science, design and mathematics. Students work in interdisciplinary groups and learn about great scientists or designs, learn to ask questions about everyday scientific situations, will learn how to write their own research proposal and make a joint final work. More information can be found at the website of the honours programme: https://www.utwente.nl/en/excellence/.

2. Goals/objectives and intended learning outcomes/qualifications

2a. Goals/objectives

The goals of the programme are related to the following academic competencies and skills:

1. Theoretical knowledge and understanding.
2. Research competencies.
3. Problem solving competencies.
4. Professional skills.
5. Academic skills.
6. Personal development.

2b. Intended learning outcomes/qualifications

1. **Theoretical knowledge and understanding.** Graduates from the BSc Communication Science programme are able to demonstrate their knowledge and understanding of theories and core concepts in:
   1.1. Communication Science: interaction processes, message effectiveness, information processing, models of persuasion, intercultural communication, communication ethics and philosophy, science communication;
   1.2. Digital society-related sub disciplines: media psychology, digital media, network society, social networks, serious gaming, media use and effects;
   1.3. Changing organizations-related sub disciplines: corporate communication, public relations, organizational communication, leadership, identity and reputation, stakeholder communication, crisis communication, change management;
   1.4. Persuasive technology related sub disciplines: human-technology interaction, user experience, technology communication, marketing communication, visual communication, multisensory design, social psychology, behavioural change;

2. **Research competencies.** Graduates from the BSc Communication Science programme are at a basic level (beginner's level for Master's degree, beginning academically educated practitioner) able to:
   2.1. Understand the fundamental principles of social-scientific research including the empirical cycle, research questions and hypotheses, validity and reliability, research paradigms, and formative and summative evaluation;
   2.2. Analyse communication-related phenomena and relate them to a theoretical framework, in such a way that it results in researchable and relevant questions;
   2.3. Design a research about communication related phenomena in a systematic, transparent and scientifically responsible manner, and execute this through the substantiated selection and correct application of basic, accepted quantitative (survey, experiment, content analysis, network analysis) and qualitative (interview, focus group, observation, text mining, usability testing) communication research methods and techniques and big data analytics (including statistical learning and machine learning);
   2.4. Analyse research outcomes in a systematic manner using statistical software including R and Atlas.ti;
   2.5. Interpret and discuss the outcomes of research activities in the context of the stated research question;
   2.6. Effectively report and present research according to scientific conventions to specialist and non-specialist audiences.

3. **Problem solving competencies.** Graduates from the BSc Communication Science programme are at a basic level (beginner's level for Master's degree, beginning academically educated practitioner) able to:
   3.1. Analyse technological, societal and organizational challenges from a communication perspective;
   3.2. Use scientific theories and core concepts, applied communication research methods, and practical knowledge (professional literature) to diagnose technical, societal and organizational challenges or to optimize solutions;
   3.3. Use creative thinking skills to solve technical, societal and organizational challenges from a communication perspective;
   3.4. Systematically compare possible solutions to a stated problem;
   3.5. Evaluate the quality of communicative solutions (formative and summative evaluation) as well as the process of developing and implementing them (process evaluation);
   3.6. Effectively report and present a communicative solution to a specific target audience.

4. **Professional skills.** Graduates from the BSc Communication Science programme are at a basic level (beginner's level for Master's degree, beginning academically educated practitioner) able to:
   4.1 Communicate effectively with different stakeholders (by means of press release, spokesman ship, rhetoric and debate, popularizing and framing, persuasive pitches and presentations, negotiating, app design, and workshop design);
   4.2 Understand the dynamics of organizations and the role of communication;
   4.3 Understand the effects and opportunities of technological innovations;
   4.4 Design and visualize ideas and solutions including documentary film making, corporate visual identity design, data visualization, and animation by means of Photoshop, InDesign, Illustrator, Unity;
   4.5 Communicate effectively and appropriately (demonstrating cultural self-awareness, openness, empathy and the ability to deal with uncertainty, differences and 'conflicts') with individuals from distinct cultural backgrounds;
   4.6 Plan, organize and manage their work effectively and quality oriented, both individually and when working in a(n) (international) team;
   4.7 Reflect on individual work (process and results) and, when working in a team, on the team's work process, intercultural competences and results as well as their own and others' contribution to the team work;
   4.8 Provide and use feedback in an adequate way;
   4.9 And willing to reflect on their own competencies and professional actions.

5. **Academic skills.** Graduates from the BSc Communication Science programme are at a basic level (beginner's level for Master's degree, beginning academically educated practitioner) are able to:
   5.1. Critically reflect on and judge the significance and value of scientific knowledge and exchange and justify arguments in a critical, open and constructive way, both with specialists and non-specialists;
   5.2. Gather and interpret relevant data and information to make judgements that include reflection on relevant societal, scientific or ethical issues;
   5.3. And be aware of the ethical implications involved in academic work.

6. **Personal development.** Graduates from the BSc Communication Science programme are able to:
   6.1. And sensitive to scientific, societal, and technological developments;
   6.2. Operate from an ethnorelative mindset;

6.3. Position themselves as a communication professional in the labour market;

6.4. Initiate and shape their own learning and working process, and bear responsibility for their own professional development;

6.5. Make use of a broad perspective and knowledge base, when working on communication problems and solutions.

2c. Connecting Master programme

A successful examination for the programme automatically qualifies students for immediate acceptance into the one-year UT Master of Science programme Communication Science.

3. Exams, tests and sub-tests

3a. Examination
A student passes the Bachelor programme COM when the exams of all study units, including the bachelor thesis, have been passed successfully.

3b. Assessment form exam and tests (see article 4.4 EER)
Following the principles of the Twente Educational Model (TEM), each coherent module in the B1 and B2 consists of four study units (Project, Theory, Research and Skills). In the second semester of the B3 the structure is different as module 11 consists of two study units only (Theory and Project), and module 12 (bachelor thesis) consists of one study unit in which theory, research and skills are simultaneously tested. In general, each study unit exam consists of a mixture of assessment methods. These may include individual and group assessments, such as written and oral tests and papers and different forms of presentations (e.g., poster and pitch). For each coherent module an assessment plan is defined, which is published in the Electronic Learning Environment (Canvas) before the start of the module in question. See article 4.4. EER.

Article 4.1.9 EER states that exam results are expressed in half grades from 1.0 up to and including 5.0 and from 6.0 up to and including 10.0 whereby:

1. Grades will only be rounded in the last phase of the assessment of the study unit;
2. The rounding is done in accordance with the following scheme:

Grade < 5.00 or > 5.99	n.01 up to and including n.24 = n.0
	n.25 up to and including n.74 =n.5
	n.75 up to and including n.99 = (n+1).0
Grade ≥ 5.00 and ≤ 5.99	5.00 up to and including 5.49 = 5.0
	5.50 up to and including 5.99 = 6.0

3. If a written test has been completed (passed with 5.5 or higher) the student may retake the test in the same academic year during a regular, scheduled retake. For all other test types (e.g., assignments or presentations) the following applies that if this test has been completed (passed with 5.5 or higher) this grade is final. If a student likes to upgrade his/her mark grade (due to exceptional circumstances) s/he must have a written confirmation of the examination board.
4. If the quality of a test (assignment) is not sufficient (5.49 or less) the student cannot score a higher grade than 6 at the second attempt. This also applies if the student did not hand in an assignment at the first deadline.

3c. Required sequence of exams / prerequisites
The formal sequence of the study units and their exams is the order as recorded in Table 1, 2 and 3.

Prerequisite knowledge for study units
Below, in Tables 4, 5, and 6, the prerequisites are listed for all study units.

Table 4: Prerequisites B1 study units curriculum 2020-2021

Name study unit	Prerequisites
Popularizing global challenges (P)	Obligatory:
	Intro to communication science (T)
	Research methods & statistics 1 (R)
	Professional writing & design skills (S)
Intro to communication science (T)	
Research methods & statistics 1(R)	
Professional writing & design skills (S)	
Effects of media use (P)	Obligatory:
	Media psychology (T)
	Survey analysis (R)
	Theoretical framework & presenting (S)
Media psychology (T)	
Survey analysis (R)	Desirable:
	Research methods & statistics 1 (R)
Theoretical framework & presenting (S)	Desirable:
	Professional writing & design skills (S)
Stakeholder & reputation management (P)	Obligatory:
	Public relations of innovations (T)
	Big data & text mining (R)
	Media framing & crisis response (S)
Public relations of innovations (T)	
Big data & text mining (R)	
Media framing & crisis response (S)	
User-centered design (P)	Obligatory:
	Human-technology interaction (T)
	Usability testing & interviewing (R)
	Business case proposition (S)
Human-technology interaction (T)	
Usability testing & interviewing (R)	
Business case proposition (S)	

Table 5: Prerequisites B2 study units curriculum 2020-2021

Name study unit	Prerequisites
Stakeholders and technological innovations (P) Science communication & public relations (T) Qualitative methodology 2 (R) Popularizing science (S)	Obligatory: Science communication & public relations (T) Qualitative methodology 2 (R) Popularizing science (S)
Promoting privacy protection behaviour (P) Online communication and privacy (T) Big data analytics (R) Audio-visual design (S)	Obligatory: Online communication and privacy (T) Big data analytics (R) Audio-visual design (S)
Design for behavioural change (P) Consumer behaviour & design research (T) Quantitative data analysis 2 (R) Academic writing and presenting 2 (S)	Obligatory: Consumer behaviour & design research (T) Quantitative data analysis 2 (R) Academic writing and presenting 2 (S) Desirable: Research methodology & descriptive statistics (R) Quantitative methodology 1 (R) Desirable: Academic writing and presenting 1 (S)
Leadership & communication in modern society (P) Organizational communication (T) Qualitative methodology 3 (R) Consultancy (S)	Obligatory: Organizational communication (T) Qualitative methodology 3 (R) Consultancy (S) Desirable: Qualitative methodology 2 (R)

Table 6: Prerequisites B3 study units curriculum 2020-2021

Name study unit	Prerequisites
Elective space B3 (30 EC first semester):	
• Internship	At least 90 EC successfully passed, among which modules 1, 2, 5 and 6.
• High Tech Human Touch modules	At least 90 EC successfully passed.
• Join-in minors	At least 90 EC successfully passed.
• Crossing Borders, Educative minor, Board minor	At least 90 EC successfully passed.
• Elective courses (for example from another university)	B1 completed, and B2 modules 5 and 6 completed.

• Studying abroad	B1 completed, and B2 modules 5 and 6 completed.
Bachelor Thesis B3:	B1 and B2 successfully passed.

Prerequisites <u>within</u> a study unit
Should prerequisites apply within a study unit (e.g., students may only take part in a test if the previous assignment was successfully completed), then the examiner must make this requirement known through Canvas to the participating students in advance of the start of the study unit.

4.   General information

4a.   Admission to the programme
In addition to article 2.3 of the Education and Examination Regulations and the admission regulations on the website 'Colloquium Doctum' (https://www.utwente.nl/en/education/bachelor/admission/colloquium-doctum/), this article refers to the admission regulation below.

<u>Dutch students:</u>
- Pre-university education: VWO (profile Economie & Maatschappij, Natuur & Gezondheid, Natuur & Techniek or Cultuur & Maatschappij);
- HBO: hbo-propedeuse in a related field and VWO Wiskunde A, B or C; HAVO Wiskunde A or B.

<u>Foreign students:</u>
- Pre-university school-leaving certificate equivalent to the Dutch VWO-certificate (i.e. German Abitur, Belgian 'Diploma van Secundair Onderwijs', International or European Baccalaureate http://www.utwente.nl/en/education/bachelor/admission/diplomas/) and
- Sufficient level of Mathematics and English subject of school-leaving certificate (i.e. German Abitur certificate with "Mathematik und Englisch bis zum Abitur") or completing the University of Twente entrance exam).

4b.   Language of teaching and exams
The language of communication, instruction and examination in the bachelor programme Communication Science is English.

4c.   Elective options
After two years of coherent modules, in the first semester of the third year students can choose between a 30 EC **study abroad, internship or** a 30 EC **minor** or equivalent at the UT. More information about spending (a part of) a semester abroad can be found on the Faculty BMS study abroad website: https://www.utwente.nl/en/bms/education/study-abroad/.

More information about Bachelor Communication Science internships is available on the internship and graduation website: https://www.utwente.nl/en/com/graduation-web/.

Students who opt to stay at the UT to fill their elective space, can choose from a number of High-Tech Human-Touch minors, the Crossing Borders minor and a number of "join-in minors". For the most recent information on the minors that are being offered please consult the UT website: www.utwente.nl/minor. Students that choose to study abroad can select a partner university in or outside Europe. More information on study abroad is given on the UT study abroad website.

Further, the minor Crossing Borders offers another opportunity to students who are eager to gain international experience. More information on the minor Crossing Borders is available on the minor's website https://www.utwente.nl/en/education/electives/minor/offer/crossing-borders-educative-minor/.

4e. Programme Committee
The Programme Committee COM deals with all matters directly related to the design and quality of education. The members of the programme committee are appointed by the Dean of the faculty and are recruited from students and teaching staff members of both the Bachelor's programme Communication Science and the Master's programme Communication Science on an equal basis (50% students and 50% staff members). The most up-to-date composition of the committee can be found at the webpage of the programme committees:
https://www.utwente.nl/en/bms/education/programme-committee-opsomming/.

The tasks of the programme committee towards the Education and Examination Regulations (EER) include:
- Right of consent on (WHW art. 9.18; September 1st 2017):
  - Goals and intended learning outcomes of the programme in terms of knowledge, insight and skills that a student should have acquired at the end of the programme;
  - where necessary the layout of practical exercises;
  - the study load of the programme and it's study units.
- Giving advice on the Education and Examination Regulations (EER):
  - Assessing, on a yearly basis, the manner in which the Education and Examination Regulations (EER) are carried out.
- Giving advice - invited or not invited - to the programme management and the Dean on all matters relating to the teaching in the bachelor of science programme Communication Science.

4f.   Examination Board
The Examination Board is the body that determines in an objective and expert manner whether a student meets the conditions set under the Education and Examination Regulations (EER) concerning the knowledge, comprehension and skills required to obtain a degree. Members of the Examination Board are appointed by the Dean of the faculty.

More information, including the most up-to-date composition of the Board can be found at the webpage of the Examination Board: https://www.utwente.nl/en/bms/examboard/. On this website all information for students, examiners and educational support staff about the examination boards of BMS is published. You will find the Rules and Guidelines, and the procedures and conditions for submitting a request.

5. Transitional arrangements

In general
Article 8.4 of the EER 2020–2021 of the Faculty of Behavioural, Management and Social Sciences for bachelor programmes is applicable. This means that if a study unit or part of a study unit that does not involve a practical exercise is deleted from the programme, then students (only when exam/test results from the deleted study unit are registered in the Student Information System) are to be given two opportunities in the following academic year to take the relevant exam/test, either orally or in writing, or to undergo another form of assessment.

6.   Regulations concerning the first year

6a   Binding Study Recommendation
The UT enforces a binding recommendation for all Bachelor's programmes (see article 6.3 of the EER).

First year students in the bachelor COM programme will receive a positive recommendation if they have:
1.   completed at least three coherent modules (45 EC)

   OR
2.   completed at least 75% of the first year study load (60 EC) of study units, as registered in OSIRIS); provided that students have no more than one insufficient study unit exam grade in each *learning-teaching trajectory* (the four learning-teaching-trajectories in the first year are: Project, Theory, Research and Skills). See table 1.

The programme management can decide to defer the final recommendation to the second academic year, for instance due to a study switch or personal circumstances. In case of personal circumstances:
1.   **Notification**: students should report the study adviser as early as possible their study is or might be delayed. Possibly a study plan will be drawn up. This study plan will be included in the student's BSA file.
2.   **Assessment after module 1**: in consult with the adviser, students can apply at an early stage for an assessment of his/her circumstances by the Committee Personal Circumstances (CPO). This is only done in cases for which non-assessment can have a negative influence on the student's personal situation.
3.   **Assessment in regular cases:** students should apply for an assessment (in consult with their study adviser) when they cannot meet the BSR standard. They have to submit the application before **30 June 2021.** Depending on the circumstances, the application should be underpinned with supporting documents (see: https://www.utwente.nl/ces/sacc/en/regulations/bsa/).
4.   **Interview with a study adviser**: students must arrange a meeting with a study adviser before 30 June (the meeting should take place before 15 July 2021). The study adviser can help students to formulate their problem (own written statement) as well as advice on other (financial) regulations that might be applicable.
5.   **Recommendation of the CPO**: the Committee Personal Circumstances (CPO) will assess the legitimacy, the expected duration and the severity of the students' personal circumstances and gives a recommendation to the Programme Board (students will receive a copy).
6.   **Decision of the Programme Board:** the final binding recommendation (positive, negative or deferred) will be made taken into account the ruling of the CPO. Before this recommendation is finalized, students who receive a negative binding recommendation, can request a hearing.
7.   Students can appeal to the central complaints desk against the final decision (see: https://www.utwente.nl/ces/studentservices/en/complaints_desk).

7.   Additional subjects

7a.   Interpretation of article 4.2 (Modules) of the EER
The module coordinator, who is also the module examiner, bears the final responsibility for the exams of the study units that are part of the coherent module. The examiners of the study units bears the responsibility for the quality of the exams and tests and for the administration and announcements of the results of the exam and test (in close cooperation with any other examiners involved in the coherent module).

7b.   Interpretation of article 8.7 (Hardship Clause) of the EER
When the reason for a student to refer to this article is related to the examination of a study unit, the request will be treated by the examination board.

When the reason for a student to refer to this article is related to the organization of a coherent module or study unit, the request will be treated by the programme director.

7c.   Test subject hours
Premise:
The programme considers it important that the bachelor's students gain experience in empirical research in the role of test subject. This allows them to gain familiarity with different types of research and they can better prepare themselves for their own research activities in the context of their study. With these efforts, students contribute to the research of bachelor's and master's students, and academic staff. Part of the bachelor's exam is a compulsory test subject unit for a total of 15 hours, of which 10 hours must be completed during the first bachelor's year.

Regulations:
1. The students are obliged to participate as a test subject in BMS faculty research for a total of 15 hours. 'BMS faculty research' is understood to mean research that is carried out by or under the responsibility of a lecturer who teaches for the BMS faculty. If the obligation of 10 hours for the B1 is fulfilled, a P for Pass is entered on the list of grades under '192901900 B1 test subject hours'. When the obligation of 5 hours for the bachelor's is fulfilled, a P for Pass is entered on the list of grades at '192902900 B2 and B3 test subject hours'.
2. For passing the first academic year (concerns students of the 2012 group and earlier), 10 hours of these 15 hours must be completed. The remaining 5 hours must be completed before the bachelor examination. The test subject hours must have been completed by taking part in at least five different research projects.
3. The length of participation in a research project is rounded off to 15 minutes with a minimum of 15 minutes.
4. When a student appears at the study as a test subject as agreed, and the research study does not take place, the student will still receive the announced number of test subject hours.
5. When a student does not appear at the study as a test subject as agreed (and has not cancelled before the deadline), 5 credits are deducted as 'penalty points'.
6. Students are deemed to participate seriously in the research and to be motivated in their efforts during an experiment/trial. The researcher may forgo the awarding of test subject points in the event of clear and demonstrable minimal effort on the part of the student.
7. The registration of points proceeds electronically through the 'Sona systems' program at http://utwente.sona-systems.com/. Students can view their obtained test subject points themselves using this system.
8. The lecturer or staff member responsible registers the number of obtained test subject hours per research project in 'Sona systems'.

9. The first academic year can only be competed if the compulsory test subject unit is passed.
10. The bachelor's diploma can only be obtained if the compulsory test subject unit of the second and third bachelor's year is passed.
11. Research for which test subject hours can be earned can be made known through either the notice boards in the canteen or through Sona Systems. The recruitment notice must always state the number of test subject hours than can be earned.
12. The research information states where and with whom the student must sign up. The student him/herself is responsible for noting the time, place and contact person (don't forget the room and telephone number!).
13. Any cancellation for an experiment for which a student has signed up, must be effected directly with the contact person for that experiment.
14. The BMS faculty ensures that the number of offered participation opportunities is sufficient. Should a student be of the opinion that their foundation year or bachelor's diploma cannot be completed because there were insufficient test subject opportunities, they can approach the Examination Board with a request for exemption for the remaining hours.
15. The Ethics Committee of the BMS faculty assesses (if applicable) whether the research meets the rules and standards set down in the faculty's Regulations for Ethics and Research.

7d. Graduation with distinction
1. When a student has demonstrated exceptional ability in their bachelor's exams, this can be stated on the diploma with the words, 'Cum Laude'. Exceptional ability is the case when each of the conditions below is met:
    a. The weighted average of the exam grades obtained in the B1, B2 and B3 modules for the bachelor's exams (excluding 30 EC for B3 electives) amounts to at least 7.5; or at least three of the maximum five Star programmes are obtained;
    b. The final grade for the final study unit (bachelor's thesis) is at least an 8;
    c. All B1, B2 and B3 study units of the bachelor's exams (excluding 30 ECTS for B3 electives) were assessed with an exam grade of 7 or higher;
    d. No graded work is redone;
    e. The study units for which exemption was granted are excluded from the average of the exam grade;
    f. Exemption is granted for a maximum of one third of the total educational programme; The Bachelor's Programme is completed within 3 years.
2. If these guidelines are not fully met, then the chair of the graduation committee may submit to the Examination Board a proposal for awarding the designation of 'with distinction'. In that case, the special circumstances and exceptionality of the achievement must be especially substantiated.