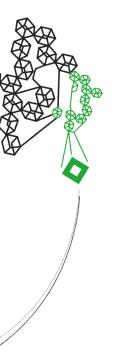


Programme-specific appendix to the Education and Examination Regulations (EER) 2022-2023

For the Master of Science programme
Educational Science and Technology (EST)



Reference: BMS.OSC-8890.MT

31 May 2022

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1. General provisions

1.1. Admission to the programme

The Admission Committee assesses all applicants to the MSc Educational Science & Technology (EST) programme on an individual basis. The assessment of the applicant's skills is based on formal as well as content-related admission criteria.

The formal criteria are as follows:

- A. Bachelor's degree or equivalent
- B. **Note**: for international (i.e. non-Dutch students) only: IELTS minimum overall score of 6.5 on the IELTS (where each minimal sub score is 6.0) or equivalent,

Please check the university's website for details and exemptions:

https://www.utwente.nl/en/education/master/how-to-apply/(inter)national-degree/

The content-related admission criteria require that a student possesses and demonstrates evidence on sufficient knowledge and skills concerning the following:

- C. The content of the domain of educational science and technology.
- D. Design methodology.
- E. Research methodology.
- F. Research techniques, including the use of statistics for data analysis.

Ad C. Content of the domain

The domain of Educational Science and Technology can be characterised by the following: a field that encompasses the analysis of learning and performance problems; the design, development, implementation, evaluation, and management of educational and training processes, resources, and arrangements intended to improve learning and performance in a variety of settings. A student meets the domain-specific admission criteria if he/she possesses a Bachelor's or Master's level degree in a domain that is similar or related to the domain of this definition, and/or if he/she has substantial relevant work experience from which he/she has mastered the aforementioned conceptual knowledge.

Ad D. Design methodology

This is a typical content characteristic of all behavioural Bachelor's and Master's programmes in our Behavioural, Management and Social Sciences Faculty, aiming at educating scientific designers. This methodology for systematic problem solving aims to support science-based, systemic approaches and processes for the development, the implementation, and the evaluation of solutions for problems in education and training. To give evidence that a future student has mastered this methodology, he/she has to send us an overview of relevant courses taken and/or reports of systematic design projects he/she has intensively been involved in.

Ad E. Research methodology

This refers to the main concepts, procedures, and methods used in social science research, and which aim at systematic, conceptual (literature) analysis, modes of data collection, data analytical

schemes, and procedures for interpretation of findings, in order to better understand social phenomena and processes, and/or to support all levels of making choices in and for social reality. This methodology supports the systematic design, execution and evaluation of research activities. A student's basic mastery of this methodology should be proven by courses which he/she has taken in this area, and/or reports of research projects or activities he/she has been involved in substantially.

Ad F. Research techniques, including the use of statistics for data analysis

This area is dedicated to the skills and understanding of techniques for collection and for analysis of both quantitative and qualitative data. If a student masters this area he/she is both able to apply descriptive statistics (distribution, correlation, regression, cross tabling), theory of probability (calculation, expectation, variance, binomial distribution), and aspects from inductive statistics (average based conclusions with known population deviation) as well as applying scientific analytical methods in interviews, observation, and questionnaires, analysing texts, and coding text fragments.

Experience with the use of SPSS, R or a comparable computer-based statistical package is part of this mastery. Evidence of this can be presented by content review of courses which he/she has taken, and/or use of these techniques in research, demonstrated by means of a report or an article.

Evaluation of the entrance criteria

The UT's central Admission Office will first check the formal criteria A and B. Only if these have been met, the application is forwarded to the programme to check the content-related admission criteria C, D, E, and F. The programme's Admission Committee will review the information and documents presented and will decide whether a student meets all stated criteria sufficiently. The Admission Committee comprises of the programme director, programme coordinator and the study advisor. The programme director may delegate his/her membership to a member of the programme's scientific staff, i.e. to one of the programme's teachers.

Evaluation of these content-related entrance criteria may result in one (1) out of two (2) alternative decisions by the Admission Committee:

- 1. If a student meets all formal and content-related criteria he/she will be admitted to the EST Master's programme.
- 2. If a student does not meet the entry requirements, to be decided by the Admission Committee, he/she will be offered the possibility of taking (part of) the EST pre-Master's programme.

1.2. Language of the programme

The language of communication in the MSc programme Educational Science and Technology is English.

This premise requires additional explanation:

- Study materials are in English.
- Classes (lectures, seminars, workshops, practicals, and others) are taught in English.
- Exams and assignments are composed in English and students have to complete all exams and assignments in English.
- Presentations (including the Final Project presentation) have to be prepared in English
- Non-formal (written or oral) communication between a student and an instructor may revert to Dutch in case no non-Dutch students are involved.

Students are supposed to be aware of the aforementioned rules with regard to the use of English and Dutch

1.3. Connecting Masters' programme(s)

None

1.4. Rights, duties and composition of the programme committee

In line with article 9.18 WHW, each programme has a programme committee, which has the duty to advise programme management on improving and safeguarding the quality of the programme. It has a right of consent regarding a number of topics in the Education and Examination Regulations (EER), e.g. the 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 its study units. In addition, the programme committee evaluates on a yearly basis the manner in which the EER has been carried out and has the right to advise programme management and the dean – invited or uninvited – on all matters relating to the teaching in the programme.

The members of the EST programme committee are appointed by the Dean. The members are recruited from students and teaching staff of the Educational Science and Technology programme on an equal basis (50% students and 50% staff). The most up-to-date composition of the committee can be found on the webpage of the <u>programme committee</u>.

2. Contents and structure of the programme

2.1. Contents and structure of the programme

Table 1 (below) shows the courses which make up the EST programme in EC (1 EC = 28 hours of study load) per unit.

The *generic structure* (of the September – fulltime - enrolment) of the programme is as follows:

Quartile 1A	Quartile 1B	Quartile 2A	Quartile 2B
Trending topics	n educational science and echnology	Trending topics in educational science and technology	
201	00034 (10 EC)	2012000	34 (10 EC)
Team learning at wo 201500010 (5 EC)	HRD & Technology in a live context 201600126 (5 EC)	Regulation and facilitation of workplace learning 201200031 (5 EC)	Leadership and organisational change 201200032 (5 EC)
Designing learning of performance support 191970340 (5 EC)	4CID for Complex	Innovative technology- based learning environments 201400002 (5 EC)	Teacher learning and development 201200027 (5 EC)
Learning and instruct * 192914040 (5EC)	on	Learning and instruction 192914040 (5EC)	Educational measurement 201500149 (5 EC)
Research Proposa 201200035 (5 EC	Research Proposal 201200035 (5 EC)	Research Proposal 201200035 (5 EC)	Research Proposal 201200035 (5 EC)
Intro FP Find a F		Final Project EST 201200036 (25 EC)	

^{*} Retake of block 1A is in block 2A, not in1B!

Global talent management 201500086 (5 EC)	HRM and innovation 201500087 (5 EC)	
	HRM and technology design 201500088 (5 EC)	

Table 1: Curriculum EST 2022-2023

Core Course
Elective courses
Research Proposal
Final Project
Extra courses from preferred partners

2.2. Study load

A student's study trajectory in the one-year (60EC) EST programme consists of 30 EC course work and 30 EC Final Project (i.e. 5 EC Research Proposal plus 25 EC project

work).

More specific, all students take the obligatory (10 EC) core course 'Trending Topics in Educational Science and Technology', which is offered twice per year, since the EST programme has two terms of enrolment: September and February.

Next to this obligatory course, students have to take a number of electives courses (in total 20 EC).

Full information on the options in this respect can be found in section 2.5 (elective options) of this programme-specific appendix to the Education and Examination Regulations.

2.3. Programme-specific characteristics

The one-year Master's degree programme EST can be studied both in a full-time mode as well as part-time. In the latter case the programme lasts 1.5 till 2.0 years.

In this regard (particularly for facilitating this part-time mode) the following applies:

- All courses (except the three extra courses which stem from other master's degree programmes!) are (dominantly) scheduled on a maximum of two fixed days per week: Mondays and Tuesdays.
- Classes of a specific course take place as much as possible on the same day during the week. However, occasional deviations from this pattern cannot be excluded.

Thus, 'part-timers' are facilitated in arranging two dedicated study days, which can be crucial for those with existing family or employment responsibilities.

- Note:
 - The nominal study load in the part-time mode depends on the selected courses. As such, it is possible that study load is not always evenly distributed.
- Part-time students take a course in the same manner as fulltime students. Within a course no adjustments are made for part-time students.

2.4. Honours programme/STAR programme

For excellent students the University of Twente offers four different extra-curricular master's honours programmes of 15 EC each. These programmes have a distinctive profile which allows students to develop themselves in one of the four roles: as an organiser, designer, negotiator or researcher.

These programmes are:

- Change Leaders
- Design Honours
- Great Negotiators
- Research Honours

More information on these programmes and the corresponding selection procedures can be found at the UT honours programmes website:

https://www.utwente.nl/en/excellence/master/

2.5. Elective options

The programme's elective options can be found in Table 1 (Curriculum EST 2022-2023). Typically, students select four elective courses (5 EC each) out of the set of ten electives presented.

If so desired, students may opt to fulfil their elective requirements with a maximum of two courses (10 EC) that have been approved by the Examination Board for this purpose and are offered by partners in the faculty of BMS. These courses are:

- Global talent management (201500086)
- HRM and innovation (201500087)
- HRM technology design (201500088)

Additionally, students can make a request to the programme management to follow one or two courses offered by the University of Twente as an elective in their EST study programme. In case a student would like to follow a course from other Dutch universities or foreign universities as part of their EST study programme, the student needs to submit a request to the examination board Behavioural Sciences. In these cases an advice from the programme (director) will be reclaimed. The maximum total amount of external electives is 10EC.

2.6. Joint/double degrees and/or international cooperation and agreement(s) Per 1 September 2018 a double degree (DD) programme with Ludwig-Maximilians-Universität (LMU) in Munich, Germany is offered. This 120 EC DD programme is called "Learning Sciences and Technology". The concerned formal contract (signed in Spring 2018 by the executive boards of LMU and the UT) is approved by the Examination Board BS Full information on this 120 EC DD trajectory (incl. application procedures, and curricula) can be obtained from appendix A.

2.7. Pre-master's programme

The pre-Master's programme consists of (generic academic and domain-specific) study units that prepare a student for applied, design or evaluation-oriented, scientific reasoning and research during the Master's trajectory Educational Science and Technology.

All pre-Master's study units (to be decided by the Master's programme Admission Committee) must be successfully completed within the specified time frame before one can formally begin the Master's programme.

A student cannot participate in the pre-master's programme again in subsequent years.

The full pre-master's programme comprises 30 EC.

The pre-Master's programme has two terms of enrolment (September and February).

Therefore, the following structure applies:

Full-time programme = $\frac{1}{2}$ year = one semester

September enrolment		February 6	enrolment
Semester 1		Semes	ster 2
Quartile 1A	Quartile 1B	Quartile 2A	Quartile 2B

		Research Methodology and Descriptive Statistics (5 EC)	Inferential Statistics (5 EC)	
_		Designing for Learning in Schools and Organisations (5 EC)	Research Studio	
Self-study pack. EST		Academic Writing Pre-master (5 EC)	(10 EC)	
Self-stuc		15 EC	15 EC	
"	Self-study package EST			

Research Methodology and Descriptive Statistics (5 EC)	Inferential Statistics (5 EC)
Designing for Learning in Schools and Organisations (5 EC)	Research Studio
Academic Writing Pre-master	(10 EC)
(5 EC)	15 EC

Self-study package EST

Part-time programme = 1 year = two semesters

Ser	nester 1	Semester 2	
Quartile 1A	Quartile 1B	Quartile 2A	Quartile 2B
Research Methodolo and Descriptive Statistics (5 EC) Academic Writing Pre-master (5 EC)	Inferential Statistics (5 EC)	Designing for Learning in Schools and Organisations (5 EC)	Research Studio (10 EC)
10 EC	5 EC	5 EC	10 EC

Self-study pack. EST

Self-study package EST

Registration and limitations in the pre-Master's programme

- All pre-master courses must be completed within one year. This is the maximum registration period in the pre-master's programme.
- Pre-master students can use a maximum of two scheduled exam opportunities to pass a course. (In a few cases where a student uses his/her second attempt in the next semester.) . a max. of one year enrollment!).

When a student does not pass a course within two attempts, he/she will be excluded from the programme.

When a student does not pass all courses within one year, he/she will be excluded from the programme.

 A student can only enter the master's programme after completing all pre-master courses successfully.

Note: The rules mentioned above apply to both full-time and part-time students.

For all students (including part-time students), the pre-master's programme must be completed within one year. Participants are eligible to take each course only once, and each course offers two chances for assessment, i.e. one re-take is possible for each graded exam, assignment or project. Students failing to successfully complete any course will be dismissed from the pre-master's programme Educational Science and Technology. This also applies to students who have started other pre-master programmes at the University with content that is part of the Educational Science and Technology pre-master curriculum. Specifically, students who have taken Research Methodology and Descriptive Statistics, and/or Inferential Statistics, and/or Academic Writing and not passed after the allotted two attempts are not eligible for the pre-master Educational Science and Technology.

Language in the pre-master's programme

The language of communication in the pre-master's programme Educational Science and Technology is English.

This premise requires additional explanation:

- Study materials are in English.
- Classes (lectures, seminars, workshops, practicals, and others) are taught in English.
- Exams and assignments are composed in English and students have to complete all exams and assignments in English.
- Presentations have to be prepared in English
- Non-formal (oral or written) communication between a student and an instructor may revert to Dutch in case no non-Dutch students are involved.

Note: the EST pre-master's programme can also be followed as a so-called transfer minor, as agreed upon with Dutch Universities of Applied Sciences (HBO). Please see the website for more information: https://www.utwente.nl/en/education/electives/minor/offer/transfer-minor/

3. Programme objectives and intended learning outcomes

3.1. Programme objectives

The main focus of the master's degree programme Educational Science & Technology (EST) is on the design and evaluation of learning arrangements in schools and organisations. This might be the instruction of young children at primary school, of young adults during their vocational education, or adult employees in a company, such as sales managers or teachers receiving inservice training or training on the job. In the EST programme students acquire knowledge about theories of learning and assessment, curriculum design and implementation, learning

technologies, effective training approaches and learning interventions. Students also learn how to design and evaluate different learning arrangements and translate these into advice and solutions for practical problems.

The EST programme prepares graduates to work in the contexts of formal schooling and/or continuing professional growth in organisations (e.g. business, government, non-profits). While most courses draw on examples from either education or organizations, some offer opportunities for both.

Graduates from the EST programme will become scientific educational professionals, experts who connect scientific research, scientific design and (their own or future) practice. The outcome of their expertise is based on educational questions and problems from practical contexts (both schools and organisations), which they translate into research questions and which they try to answer by applying a systematic approach, thus finding appropriate solutions for the specific problem. The result of this approach is a design (or a set of designs), which is tested in the context of the problem to see if that solution helps realising an improvement or innovation. This evaluation does not only lead to an improvement or innovation, but it also leads to more knowledge and the forming of new theories. The systematic, technological, and design- and evaluation-based orientation characterises the EST programme and distinguishes our programme at the University of Twente from other education-related degree programmes in the Netherlands. Graduates work in a wide range of organisations, from government, ministries, publishers and educational support services to universities, higher education institutes and multinational companies. A number of graduates have started their own education and training consultancy bureaus.

For those interested in the context of formal education

Courses situated in the field of formal education (EDU) focus mainly on teacher and school development, school effectiveness, educational technology, and instructional design. They offer learning opportunities related to primary, secondary or tertiary education. With these courses, students gain expertise in planning, developing, and implementing innovative learning scenarios.

Questions frequently asked in this context are:

How can learning innovations be designed and implemented?

How can technology be used and integrated into education?

How can schools and teachers be supported in the design, development and implementation of innovations at both school and classroom level?

How can teachers be empowered in their own professional development for implementing innovative (technology-based) learning innovations?

Can school performance be improved by giving schools feedback on the level of their performance, e.g., by means of feedback from digital monitoring systems?

To what degree do school leadership, school culture and the teamwork between teachers influence the effectiveness of schools?

Do schools perform better as a result of school inspections or are the improvements only superficial?

The applied character of EST is visible in all courses of the programme. Courses in which the context of formal education features prominently offer opportunities to:

Understand and analyse different theories and paradigms related to educational design and – implementation, teacher and school development, school effectiveness and ICT in a variety of educational contexts and indicate what they mean for practice.

Plan, design, and implement innovative educational trajectories to increase its quality, and able to assess the effect of these curricula.

Improve the performance of schools by taking school leadership, school culture and teamwork between teachers into account.

Conduct scientifically robust and practically relevant research in, for, and with schools Reflect on the various core issues in the field of EDU and on his or her own position

For those interested in the context of human resource development

Human Resource Development (HRD) focuses on how adults learn and develop professionally. Leadership, talent development, and lifelong learning are among the focal points in this field. While this area overlaps with the professional development of teachers, it also includes the learning of adults in businesses and other organisations.

Questions frequently asked in this context are:

- How do people learn during their work?
- How do people become experts in their field?
- How can one facilitate workplace learning and professional development?
- What are effective training programmes and how to evaluate these?
- How can one manage learning and knowledge sharing in a company?
- How do organisations change and do HRD professionals assist in this process?
- What is the role of new media and technology in learning?

The applied character of EST is visible in all courses of the programme. Courses in which the context of human resource development features prominently offer opportunities to:

- Understand and analyse different HRD theories and paradigms, and what they mean for practice,
- Design innovative and well-thought interventions to increase learning and development in a company or institution,
- Advise companies and institutions on questions related to learning and development of their employees,
- Conduct research on HRD problems and know how to use research for designing good learning interventions and giving solid advice,
- Reflect on the various core issues in the field of HRD and on his or her own position in this.

3.2. Intended learning outcomes

The main aim of the Master's degree programme Educational Science and Technology (EST) is to deliver competent researchers who are scientifically schooled, independent and critical educational designers, decision makers, and advisers who can contribute to the subject area of education in general and to their chosen area of specialisation in particular. To reach this goal the programme has established the following standards:

• Domain orientation:

Graduates have a firm and broad overview of education and of the specialty areas within, and specific expertise in one of the specialty areas that can be used productively and creatively in various related professional contexts.

Design competency:

Graduates are able to systematically frame up, fill in, augment, evaluate, and implement designs to support learning environments in various education and training contexts.

• Research competency:

Graduates are able to systematically collect, analyse, and interpret research data, to draw conclusions from the data, and on the basis of that advise or decide on possible alternatives and activities to be conducted, particularly in a design context.

Advice competency:

Graduates are able to advise (educational) organizations, in part based on the three competencies mentioned above, with regard to the implementation of better and more efficient learning environments and organizational as well as policy related arrangements for learning and teaching.

· Academic reflection:

Graduates are able to critically reflect on processes, resulting products, and achieved results from systematic and relevant scientific, social-cultural, and ethical perspectives in order to contribute to the professional development of the educational specialist and to a broadening and/or deepening of the scientific subject area.

4. Assessment/examination

4.1. Final examination

The master EST is deemed to have been successfully completed if all exams of the agreed study units, including the Final Project (master's thesis), have been completed successfully.

4.2. Assessment format interim examinations/tests

The exam formats of each study unit in the EST programme is shown table 2.

Written exams are individual tests, unless specified otherwise. The weight attributed to each of the exam components is stipulated in the course's electronic learning environment, and made public before the start of the course.

Quartile	Course code	Name (+ study load)	Exam formats
1A	201500010	Team learning at work (5EC)	Written exam, Group Assignment
1A	191970340	Designing learning and performance support (5EC)	Assignments
1A & 2A	192914040	Learning and instruction (5EC)	Written exam
1A	201500086	Global talent management (5EC)	Assignments
1B	201600126	HRD & technology in a live context (5EC)	Assignments
1B	202200054	4CID for complex learning (5EC)	Assignment
1A & 1B 2A & 2B	201200034	Trending topics in educational science and technology (10EC)	Assignments (e.g., written exam, essay, presentation, group assignment)
2A	201200031	Regulation and facilitation of workplace learning (5EC)	Written exam, Group assignment
2A	201400002	Innovative technology-based learning environments (5EC)	Group assignment
2A	201500087	HRM and innovation (5EC)	Group assignments; Individual assignment
2A	201500088	HRM and technology design (5EC)	Written exam, Group Assignments
2B	201200032	Leadership and organisational change (5EC)	Written exam, Group assignment

2B	201200027	Teacher learning and development (5EC)	Written exam, Group assignment
2B	201500149	Educational measurement (5EC)	Assignments
1A & 1B 2A & 2B	201200035	Research proposal EST (5EC)	Research proposal
	201200036	Final project EST (25 EC)	Project report and presentation

Table 2: Exam formats for each study unit

4.3. Period of validity of test results

In contrast to the generic rule (Article 3.9.1) that the validity of a study unit? result has no limitation, the validity of a study unit result in the EST programme is max. 5 years. If a student would like to extend the duration of validity for a particular course, then the student must submit a motivated request to the programme's Examination Board, which clearly demonstrates that the student still possesses the required competences which are connected to the study unit in question.

In contrast to the generic rule (Article 3.9,2) concerning validity of the sub-grades (stating that each assessment result is valid until the end of the ongoing year), the sub-grades of EST study unit stay valid till the end of the subsequent academic year.

However, there is one exception; With regard to the EST study unit Trending Topics in Educational Science and Technology (201200034) the following applies: the grades for each trending topic assessment stay valid until the end of the following semester. (note: Trending Topics is offered each semester). If a student does not pass the study unit (i.e. complete all trending topics' assessments) the 2nd time, the previously earned grades expire. Consequently, the student has to re-take the entire study unit.

4.4. Maximum number of attempts for tests/interim examinations

- Each year, two separate opportunities are offered for taking an exam associated with a specific study unit.
 - Study units and their exams can be offered more than once per academic year. If that is the case students may participate in the exams at a maximum of two occasions
 - There is in any case at least one opportunity to sit an exam in the period in which the applicable study unit is taught.
- In exceptional individual cases, the examination board may deviate from the number of times and the manner in which exams can be taken.

4.5. Specific pass-fail regulations

Passing grades are final

In addition to Article 4.1 of the BMS EER, in the EST master's programme the following applies:

If a study unit has been completed successfully (final grade 6 or more) then this grade is final. If a student feels that there are exceptional circumstances that justify an exemption from this rule (and thus justify an extra opportunity), he/she has to send a motivated written request to the Examination Board. Such an exemption can only be granted once per student

In addition to Article 3.10 of the BMW EER, in the EST master's programme the following applies:

if a student cannot attend the group discussion, the student can request an individual discussion after obtaining the approval of their study adviser for reasons similar to the personal circumstances as used for requests to the examination boards.

4.6. Prerequisites / required sequence of interim examinations

Upon meeting the entry requirements of the MSc degree programme EST, students are entitled to participate in all EST courses.

There is no required sequence of exams, but students are strongly recommended to take and to complete the course Trending topics in Educational Science and Technology (201200034) first.

4.7. 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, insight 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 examination board can be found at its website: <u>examination boards BMS</u>. Alle information for students, examiners and educational support staff about the examination boards of BMS is published there, including their Rules and Guidelines, and the procedures and conditions for submitting a request.

5. Transitional arrangements

In general Article 8.4 of the EER 2022–2023 of the Faculty of Behavioural, Management and Social Sciences for master programmes is applicable. This means that if a study unit that does not involve a practical exercise is deleted from the programme, then students (only when exam results from the deleted study unit are registered in the Student Information System) are entitled to two opportunities in the following academic year to take the relevant exam, either orally or in writing, or to undergo another form of assessment. However, a student may also choose to participate in the new version of the course or exam.

6. Other topics

6.1. (Binding) recommendation on continuation of studies Not applicable in M-EST programme

6.2. Graduation with distinction

If upon sitting the Master's examination, the student has shown evidence of exceptional capability, 'Cum Laude' (with distinction') will be awarded on the degree certificate.

A student is considered to have exceptional capability if each of the following conditions is met:

- the average mark awarded for the study units of the Master's examination is at least 8.0;
- no graded work was re-done;
- in the determination of this average, the study units that were not evaluated with a numerical mark or for which an exemption was granted are not considered. In the determination of the average, 50 EC needs to be registered with a numerical mark in Osiris;
- no study unit was graded less than a 7.0;
- the final grade for the final unit (Final Project) is at least a 8.5.

In special cases and despite not fulfilling these conditions, a member of the student's Graduation Committee *or the student* is entitled to submit a request for 'Cum Laude' to the Examination Board.

Appendix A: LMU-UT Double Degree contract



LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

ZENTRALE UNIVERSITÄTSVERWALTUNG REFERAT III.3 INTERNATIONALE ANGELEGENHEITEN



LMU \cdot III.3 \cdot Geschwister-Scholl-Platz 1 \cdot 80539 München

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München, 8. Januar 2018

Double Master's Degree "Learning Sciences and Technology"

Dear Prof. de Jong,

Enclosed you find the two contracts regarding the Double Master's Degree "Learning Sciences and Technology" in cooperation with LMU, signed by our representative.

We kindly ask you to forward both copies to the person responsible for signing them. Please send one signed copy back to us. The other is for your own files.

Thank you for your cooperation.

Best regards and a happy new year

Anna Springer Assistant to Ms Blei

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UNIVERSITY OF TWENTE

COOPERATION AGREEMENT FOR THE AWARDING OF A DOUBLE MASTER'S DEGREE (2ND CYCLE)

between the

University of Twente, Enschede, the Netherlands, hereafter referred to as "UT", Faculty of Behavioural, Management, and Social Sciences – BMS, and represented by Mr. Victor van der Chijs, President,

and the

Ludwig-Maximilians-Universität München, Munich, Germany, hereafter referred to as "LMU Munich" and represented by

Prof. Dr. Hans van Ess, the Vice President for International Affairs

ARTICLE 1 Scope of the Agreement

- (1) LMU Munich and UT agree to establish an integrated study programme (second cycle), consisting of two full academic years (120 ECTS credits) in the field of Education and Learning Sciences. The name of the programme is: **Learning Sciences and Technology.**
- (2) Students successfully participating in the programme will obtain a double Master's degree:

 Master Degree in Psychology: Learning Sciences of LMU Munich and a Master degree in

 Educational Science and Technology of UT.
- (3) It expresses the institutions' desire to participate in this programme and their commitment to its organisation and development for the benefit of the enrolled students.

ARTICLE 2 Student Participation

- (1) Students admitted to the double degree programme will be selected by each institution according to their own criteria and modalities.
- (2) In order to participate in the double degree programme, applicants have to satisfy the academic and admission requirements of both institutions.
- (3) As a general guideline, students will be selected on the basis of academic performance, English language skills and extracurricular experiences, as well as on the demonstration of strong motivation to participate in the programme.
- (4) The programme coordinator at each institution (see article 11) is responsible for the nomination of the selected students at the partner university.
- (5) Both institutions have the right not to accept the students selected by the partner on the basis of their academic performance or missing requirements for the overall admission at the institution.

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(6) The partners agree to accept up to 5 students each per academic year unless otherwise agreed by both parties.

ARTICLE 3 Student Enrolment and Tuition Fees

(1) Students in the double degree programme enrol and are registered at both institutions as follows:

Option A: October (read: Winter) enrolment starting at LMU:

- During semester 1 and 2 students enrol and are registered at LMU Munich in the MSc Programme Psychology: Learning Sciences,
- During semester 3 students enrol and are registered at the UT in the MSc Programme Educational Science and Technology. The status at LMU Munich will be "beurlaubt" (leave of absence semester, upon student request). In this case no re-application for semester 4 is needed.
- · During semester 4 students enrol and are registered at both universities

Option B: February (read: Summer) enrolment starting at UT:

- During semester 1 students enrol and are registered at the UT in the MSc Programme Educational Science and Technology
- During semester 2 and 3 students enrol and are registered at LMU Munich in the MSc Programme Psychology: Learning Sciences
- During semester 4 students enrol and are registered at both universities
- (2) For enrolment the selected students have to apply individually according to the administrative requirements, regulations and deadlines of the institutions (see annex 1). The partners inform each other about any changes.
- (3) Students participating in the double degree programme pay the (tuition) fees at the institution(s) where they are enrolled and registered according to the legal requirement of the respective institution. Students are responsible for the costs of sufficient health care according to the national legislations of the host country and any social fees which are non-waivable.
- (4) At LMU Munich, all students are required to pay a mandatory fee for student services (Grundbeitrag) and for basic off-peak public transport ("Semesterticket"). This fee is charged at the beginning of each semester by LMU Munich on behalf of the Munich Student Services (Studentenwerk").

ARTICLE 4

Study programme, Assessment, Transcript of Records, Recognition

- (1) The full double degree study programme will comprise four (4) semesters, in total 120 ECTS credits, starting either in the Winter semester (see: Option A, article 3.1 of this agreement) or in the Summer semester (see: Option B, article 3.1 of this agreement). Full information can be obtained from Annex 1 to this agreement.
- (2) The student has to follow the official exam and degree regulations of both institutions.
- (3) Exams and eventual re-sits take place at the course offering institution.
- (4) Both institutions issue a Transcript of Records.
- (5) Successfully completed courses will be recognized on the basis of the Transcript of Records by both partners.

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(6) The study programmes/curricula as in Annex 1 can be modified by mutual consent of the partners by means of the exchange of written notice, without detriment to students already enrolled.

ARTICLE 5 Degree awarding

- (1) Students successfully participating in the programme and fulfilling all administrative requirements will be awarded the following degrees:
 - LMU Munich: MSc I

MSc Psychology: Learning Sciences

UT

MSc Educational Science and Technology

- (2) Each student will receive a Transcript of Records and a Diploma Supplement.
- (3) The degree holder is entitled to use by choice either the LMU Munich or the UT form of the degree, but not both simultaneously.

ARTICLE 6 Quality assurance

- (1) Internal quality assurance system, internal review. Both programmes comply with the quality assurance procedures and policies as stipulated at LMU Munich and the UT. Courses are regularly evaluated with students' evaluation questionnaires, and these evaluations are taken into consideration in the yearly evaluation of the teaching staff and the programme's quality.
- (2) External quality assurance; accreditation. Both programmes are subject to the respective national quality assessment agencies, and registered in the respective central registers for higher education programmes.

Article 7 Student failure

- (1) If a student fails to complete their second year at UT, they have an option to return and finish their study at LMU Munich. UT will issue a participation certificate that mentions the UT courses which have been completed successfully by the student and his/her study results. Those courses and grades can be transferred to the LMU Munich systems and used for study completion.
- (2) If a student who failed the second year at UT successfully completes the second year at LMU Munich according to the existing legal requirements at LMU Munich, he/she will only be awarded the LMU Munich Master's degree.

ARTICLE 8 Student counselling, welfare and housing

(1) Students may enjoy all the usual rights and privileges of students of each institution i.e. access to libraries, computing facilities and student cafeterias.

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- (2) The programme coordinators of the partner institutions are responsible for informing and helping the selected students with the administrative steps and counselling them on all academic matters.
- (3) On request, the programme manager will assist in finding adequate housing. The institutions do not guarantee student housing.

ARTICLE 9 Insurance obligation

- (1) LMU Munich confirms that its fully enrolled students are insured against any accident, incurred within the institution buildings and related to their study at the university, but students are responsible for their own health coverage and it is in their responsibility to take out an insurance against any incident that may occur during their period of study abroad for the activities concerned by this Agreement, and for legal liability against damage which they may involuntarily cause to third parties (persons or their properties).
- (2) The UT has a third party liability insurance that covers all damage and harm caused by UT staff members, students, trainees, temp workers, guest lecturers, etc. to themselves or others when performing any work on the instructions of the UT. Students who are insured under the national health insurance scheme of an EU/EEA member state or Switzerland, can receive a European Health Insurance Card (EHIC) from their insurance company. As long as students do not have paid work or an internship in the Netherlands, additional health insurance is not required. An EHIC is valid for a limited time only, and does not include cover for luggage, liability or legal aid. If students are not insured under the national health insurance scheme of an EU/EEA member state or Switzerland, they can apply for insurance at a Dutch insurance company, e.g. at AON Nederland. Non-EU/EEA students will be guided by the UT International Office in arranging health and liability insurance before arrival.

ARTICLE 10 Staff Exchange

(1) Academic staff of the two partner universities will strive for deeper academic cooperation. Staff exchanges will take place on the basis of written invitations in which the details of the exchanges will be determined. Wherever possible the principle of reciprocity should be respected. Joint research projects shall be supported by appropriate means. It is thereby understood that the partner universities will incur no financial liabilities.

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ARTICLE 11 Programme Management

(1) Each institution will designate a programme coordinator to develop and manage the organisation of the agreed programme. The programme coordinators are as follows:

Programme Coordinator	Programme Coordinator
University of Twente	LMU Munich
Prof. Dr. Ton de Jong	Prof. Dr. Anne Frenzel
Faculty of Behavioural, Management, and	Faculty of Psychology and Educational
Social Sciences	Sciences
Drienerlolaan 5	Leopoldstraße 13
7550 NB Enschede	80802 München
THE NETHERLANDS	GERMANY
a.j.m.dejong@utwente.nl	frenzel@psy.lmu.de
(+ 31-53-489-3613)	(+49-89 - 2180 - 72557)

Each institution will additionally nominate a programme manager for the administrative issues. The programme managers are as follows:

Programme Manager	Programme Manager
University of Twente	LMU Munich
Jan Nelissen	Carolin Schwab, MSc
Faculty of Behavioural, Management, and	Faculty of Psychology and Educational
Social Sciences	Sciences
Drienerlolaan 5	Leopoldstraße 13
7552 NB Enschede	80802 München
THE NETHERLANDS	GERMANY
j.m.j.nelissen@utwente.nl	masterlearningsciences@psy.lmu.de
+ 31-53-489-3588	+ 49- 89-2180-72515

- (2) The main roles of Programme Coordinator are defined as follows:
 - Ensuring the quality process of the programme
 - Designing, monitoring and keeping up-to-date the pedagogical framework of the programme
 - Validating the financial aspects of the programme
- (3) The main role of the Programme Manager is defined as follows:
 - Assisting students in administrative and academic matters (i.e. admission, housing, study programmes, transcript of records)

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ARTICLE 12 Programme Evaluation

(1) The partners will consult each other when appropriate, in order to evaluate the programme after 2 years, to draw up a report about the ongoing initiatives and to elaborate on other cooperation programmes.

ARTICLE 13 Promotion and Use of Names and Logos

- Each institution commits itself to promote the programme within its institution and in its country.
- (2) Each institution may use the logos, names and other trademarks of the other partner(s) only in the context of the programme. Each party anticipates the other party's participation in press announcements, marketing and other reasonable promotional activities involving the double degree programme through the appropriate use of the logos, names and trademarks of the parties.

ARTICLE 14 Renewal, Termination and Amendment

- (1) This agreement shall remain in force for a period of five years from the date of the last signature. The agreement may be amended or extended for another five years by mutual written consent of the two parties.
- (2) The agreement may be terminated without detriment to students already enrolled by either party giving six months' notice to the other party in writing, unless an earlier termination date is mutually agreed upon.
- (3) If the agreement is terminated neither party shall be liable to the other for any monetary or other losses that may result.

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Signed on8-2-2018[Date]	
For University of Twente	
Mr. V. (Victor) van der Chijs, President, and Legal Representative	
- Hobbie	
Prof. dr. T.A.J. (Theo) Toonen, Dean Faculty of Behavioural, Management, and Social Sciences	
Duly noted by	
The International Office	
DEGRA	
Ir. S.D.E. (Simone) Oolhorst International Office	
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Signed on N. 7017 [Date] For Ludwig-Maximilians-Universität München Prof. Dr. Hans van Es Legal Representative Prof. Dr. Annette Leonhardt Dean, Faculty of Psychology and Educational Sciences Duly noted by International Affairs Dr. Stefan Lauterbach International Office

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Annex 1

Programme Specification:

Academic Aspects:

Modules, ECTS credits and Master's Thesis

P 1 Introduction to Psychology of Development, Learning and Excellence

P 2 Evaluation and Research Methods

P 3 Assessment and Diagnostic Methods

P 4 Transferable Skills

P 5 Educational Perspectives in the Learning Sciences

P 6 Internship Module

WP 1 Learning in Specific Domains I

WP 2 Clinical Psychology I

WP 3 Cognition, Emotion, Learning and Development

WP 4 Learning, Instruction, Training and Technology

WP 5 Psychology of Excellence

WP5.1 Educational Systems and Achievement WP5.2 Psychological Counseling in Educational

Contexts

WP 6 Learning in Specific Domains II

WP 7 Clinical Psychology II

P 7 Final Module

P7.1 Empirical Research Designs

P7.2 Master Colloquium

P7.3 Master Thesis

UT courses taken at the University of Twente as specified below (page 10 and 11 of this agreement)

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Option A: Winter enrolment

1st Semester - winter		LMU	30 ECTS
	P1.1	Introduction to Cognition, Emotion, Learning and Development	
	P1.2	Introduction to Learning, Instruction, Training and Technology	
LMU Munich	P1.3	Introduction to Psychology of Excellence	15
	P1.4	Introduction to Neuro-Cognitive Aspects of Learning and Development	
-	P1.5	Introduction to Approaches in Organizational Learning	
LMU Munich	P2.1	Measuring Learning and Change - Part	(6)
LMU Munich	P3.1	Educational and Psychological Assessment and Testing – Part I	(6)
LMU Munich	P4.1	Transferable Skills for the Learning Sciences	3
2nd Semester - summer		LMU	30 ECTS
LMU Munich	P2.2	Measuring Change and Learning – Part II	(6)
LMU Munich	P3.2	Educational and Psychological Assessment and Testing – Part II	(6)
LMU Munich	P5.1	Educational Systems and Achievement	(3)
LMU Munich Elective Compulsory (2 out of 3)	WP3.1	Special Issues in Cognition, Emotion, Learning and Development	(5)
	WP 4.1	Special Issues in Learning, Instruction, Training and Technology	(5)
	WP 5.1	Special Issues in Psychology of Excellence	(5)

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	WP 1.0.1	Learning in Biology	3
LMU Munich Elective Compulsory (1 out of 4)	WP 1.0.2	Learning in Mathematics	3
	WP 1.0.3	Learning in Language	3
	WP 2.1	Developmental Psychopathology	3
3rd Semester - winter		Twente	30 ECTS
	WP3.2	Assessment and Test Procedures in Cognition, Emotion, Learning and Development (Remote Participation)	(5)
LMU Munich Elective Compulsory (1 out of 3)	WP4.2	Assessment and Test Procedures in Learning, Instruction, Training and Technology (Remote Participation)	(5)
	WP5.2	Assessment and Test Procedures in Psychology of Excellence (Remote Participation)	(5)
(replaces P6)	UT	Trending Topics in Educational Science and Technology	10
	UT	Team Learning at Work	5
UT Elective Compulsory (3 out of 5) (replaces P5.2, WP3/4/5.2 and WP6 / WP7)	UT	HRD & Technology in a Live Context	5
	UT	Designing Learning and Performance Support	5
	UT	Assessing, Monitoring and Improving Student and School Performance	5
	UT	Learning and Instruction	5
4th Semester - summer		Twente	30 ECTS
UT Elective Compulsory (1 out of 5) (replaces P7.1 and P7.2)	UT	Regulation and Facilitation of Workplace Learning	5
	UT	Leadership and Organizational Change	5
	UT	Innovative Technology-Based Learning Environments	5
	UT	Teacher Learning and Development	5
	UT	Learning and Instruction	5
(replaces P7.3)	UT	Final Project	25

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Option B: Summer enrolment

1st Semester - summer		Twente	30 ECTS
(replaces P6)	UT	Trending Topics in Educational Science and Technology	10
UT Elective Compulsory (4 out of 5) (replaces P5.2, P7.1, P7.2, WP3/4/5.2 and WP6 / WP7)	UT	Team Learning at Work	5
	UT	HRD & Technology in a Live Context	5
	UT	Designing Learning and Performance Support	5
	UT	Assessing, Monitoring and Improving Student and School Performance	5
	UT	Learning and Instruction	5
2nd Semester- winter		LMU	30 ECTS
	P1.1	Introduction to Cognition, Emotion, Learning and Development	
LMU	P1.2	Introduction to Learning, Instruction, Training and Technology	
	P1.3	Introduction to Psychology of Excellence	15
	P1.4	Introduction to Neuro-Cognitive Aspects of Learning and Development	
	P1.5	Introduction to Approaches in Organizational Learning	
LMU	P2.1	Measuring Learning and Change - Part 1	(6)
LMU	P3.1	Educational and Psychological Assessment and Testing – Part I	(6)
LMU	P4.1	Transferable Skills for the Learning Sciences	3

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3rd Semester - summer		LMU	30 ECTS
LMU	P2.2	Measuring Change and Learning – Part II	(6)
LMU	P3.2	Educational and Psychological Assessment and Testing – Part II	(6)
LMU	P5.1	Educational Systems and Achievement	(3)
LMU Elective Compulsory (2 out of 3)	WP3.1	Special Issues in Cognition, Emotion, Learning and Development	(6)
	WP 4.1	Special Issues in Learning, Instruction, Training and Technology	(6)
	WP 5.1	Special Issues in Psychology of Excellence	(6)
LMU Elective Compulsory (1 out of 4)	WP 1.0.1	Learning in Biology	3
	WP 1.0.2	Learning in Mathematics	3
	WP 1.0.3	Learning in Language	3
	WP 2.1	Developmental Psychopathology	3
4th Semester - winter		Twente	30 ECTS
LMU Elective Compulsory (1 out of 3 – remote participation)	WP3.2	Assessment and Test Procedures in Cognition, Emotion, Learning and Development (Remote Participation)	(5)
	WP4.2	Assessment and Test Procedures in Learning, Instruction, Training and Technology (Remote Participation)	(5)
	WP5.2	Assessment and Test Procedures in Psychology of Excellence (Remote Participation)	(5)
(replaces P7.3)	UT	Final Project	25

Note

Supervision of the Final Project/Master's Thesis will typically be executed jointly by LMU Munich and UT staff (first supervisor preferably at UT, second supervisor at LMU).

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Administrative Aspects:

Language of instruction is English. A minimum English proficiency level of B2 (Common European Framework of Reference or equivalent) has to be proven during the application process.

Admission requirements for the progamme:

http://www.en.mcls.lmu.de/study_programs/master/application/index.html

A certificate of German knowledge is not necessary.

Application deadlines:

For Winter enrolment:

LMU Munich: March 1st (Programme), July 15th (International Office) UT: May 1st (Visa students), or July 1st (non-Visa students)

For Summer enrolment:

UT: November 1st (Visa students), or January 1st (non-Visa students) LMU Munich: March 1st (Programme), July 15th (International Office)

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