

Educational quality

From 2018 onward the UT receives extra budget from the Wet Studievoorschot (WSV). This budget was formed following the abolishment of the Wet Studiefinanciering. Students will no longer receive grants, but must take out a loan for their study expenses. OC&W has indicated it will distribute the WSV budgets in 2018 to the Higher education organizations through the student funding component in the government funding.

On 14 December 2017 OC&W clarified the process towards quality agreements in Dutch Higher Education for the period 2019-2022. 2018 can be seen as an in between year in which the budget from the “Wet Studievoorschot” will be allocated to the Dutch institutions for Higher Education, but the quality agreements will not have been signed.

The expenditure of the budget from the “Wet Studievoorschot” is however one of the key features of the right of approval of the University Council. As agreed upon in the meeting between the board and the university council on 14 December 2017, the university council and faculty councils will have a strong say in the way the UT strives to enhance the quality of education and the translation of these efforts into the quality agreements with OC&W.

Within the boundaries of the “Strategische Agenda Hoger Onderwijs” the UT will in 2018 define goals on educational quality for the period 2019-2022. These goals will encompass at least: educational intensity, study success, educational differentiation, quality of teaching, student guidance (including scholarships) and educational facilities.

Educational quality will become an integral part of the Spring Memorandum 2019 (to be discussed in June 2018 between the board and university council) and the Budgets and Memoranda for 2019 onward. In 2018 we will start monitoring the educational quality in our management reports.

The basis for this monitoring can be found in this Budget 2018-2021 and the annual plans of the faculties, which form the basis of this Budget. In chapter 3.1 of the Spring Memorandum 2018-2021 our vision on educational quality was elaborated. This was the basis for the annual plans of the faculties and service departments.

UT offers high quality education by:

- UT-educational programs emphasizing, next to deep disciplinary content, on broad attention to development of the T-shaped professional with skills on the 3 O's (Onderzoeken, Ontwerpen en Ondernemen) Research, Design and the Entrepreneurial attitude.
- Gearing the (multidisciplinary) education to 21st century skills with a focus on topics from society (Design as an integrating principle)
- Excellent UT research and education with a focus on technology and the role of technology in society (High Tech Human Touch)
- A physical and digital learning environment aiming at professional, internationally oriented and personal development.

The faculties and service departments strive to achieve the above mentioned goals, using the budgets available (see paragraph 3.4). The regular government funding is allocated through the UT allocation model (see paragraph 4).

In the UT allocation model (see spring memorandum) the expected extra budget as related to WSV for the expected amount of M€ 2,8, was added to the student funding component.

Commented [AH(1): Deze paragraaf zal op verzoek van de UR worden toegevoegd aan hoofdstuk 2 van de begroting.

(De toelichting van OC&W is als bijlage toegevoegd)

The WSV funds have been allocated as follows:

	2018
ET	462
EWI	393
TNW	588
BMS	694
Centr. Eenheid (Ba- Prof en Acad.vorming)	139
20% Centrale overhead	570
Totaal toewijzing WSV 2018	2.846

In the Spring Memorandum the faculties were asked to explicitly mention the way in which they plan to enhance their educational quality in their annual plans, derived from the overall UT educational policy. By not only looking at the WSV-budget, but the entire educational budget of M€ 93,5 which is allocated through the UT model, multi annual and effective measures can be taken to enhance the educational quality throughout the UT.

The faculty councils have this summer scrutinized the faculty annual plans in which the improvement measures on educational quality were described. Because the University Council has the right of approval on the key features of this budget, a summary of these plans has been incorporated into this budget. As mentioned before in 2018 we will monitor the progress of the plans to improve the educational quality, as well as define the key quality criteria by which this progress is monitored.

Furthermore in 2018 the UT will make an outline for a long term education improvement agenda, including these key quality indicators. In chapter 6 the faculty plans related to the improvement of educational quality plans 2018 are summarized.

Service Departments

Part of the WSV budget has also been allocated to the service departments because of the 80/20 rule. All departments, but especially our Student support and IT departments will have to support the faculties in achieving their goals on educational excellence. Some examples of the tasks at hand:

- OLD's and teachers will be supported with the implementation of Student Driven Learning on curricula level, in line with the ambitions of the courses. Activities initiated by PLD will be supported and a structure for Life Long Learning for teachers will be elaborated.
- We aim to develop the UT in the period up to 2020 into a fully internationally oriented institution with an international student and employee population. Students and employees benefit from optimized business processes and systems for the entire chain for (international) students, from enrollment to graduation; in particular admission, scholarship management, customer journey, Mobility Online and the desired functionalities of an International Office.
- Continuity and reliability of service delivery to our customers with ongoing innovation and improvements, making full use of the potential of our employees. May 2018 new European privacy regulations will become effective. The UT has to be ready. Cyber security risks are facing us with increasing challenges to maintain an optimal secure ICT-landscape.
- The implementation of TELT, Digital testing and assessments; Canvas; implementing CRM & engagement strategy.
- Enforcing a communicating and vibrant community of UT students and staff who are proud, willing and able to act as positive reference, with an internal and external aligned message about the UT.

In chapter 6 of the budget 2018-2021:

Commented [AH(2): Deze teksten zullen worden opgenomen in de toelichting van de jaarplannen per faculteit in hoofdstuk 6

ET:

Extra teaching (UD) positions to deal with the growing amount of BSc have been opened up. Work in progress in relation to high quality education and optimal educational processes:

- Implementing the redesign of the SET program.
- Developing (flexible) tracks with e.g. TBK to be able to adjust to diverse student demands.
- Improving the admission process and cultural awareness e.g. by special mentor programs.

Specific plans for 2018:

- Increasing the master inflow by offering student assistantships for the excellent Bachelor graduates, so students will decide to stay at the UT.
- Further intensify the collaboration with the countries the UT have a double degrees with by offering joint propositions for international students.
- Developing a change in mindset of the faculty and supporting staff enabling a multicultural and global focus.
- Increasing flexibility in the bachelor program in engineering and studying possibilities of a broad bachelor program.
- Aligning the master tracks with the five core ET strategic themes and demands of the future generation of engineers, i.e. master tracks in line with the ET strategic themes.

EWI (EEMCS):

Investing in quality remains high on the EWI agenda. Not only the recommendations of program evaluations and reviews will be implemented, EWI will also carefully align the ambitions with respect to the EWI research agenda with the evolution of our portfolio of study programs. Besides that EWI will improve educational quality by a multitude of specific actions in 2018 aimed at both academic and support staff:

- all teaching staff holds a BKO degree, or is actively achieving one.
- a second batch of EEMCS staff starts the procedure to obtain a SKO degree
- a second batch of staff will follow SKE program
- a second group of study advisors will participate in the BKS program

The main goal for EWI is to achieve a Keuzegids score ≥ 70 and a NSE overall score ≥ 4.00 for all the educational programs.

Next to that EEMCS continues the pilot Onderwijswaardering (Lund/Ruth Graham) / ETP. Also an updated Test Policy will be implemented, in line with national legislation and the UT Quality Assurance Framework for Student Assessment.

For the quality agenda EEMCS has already invested by re-introducing the position of a coordinator educational quality (0.8 fte). UT expertise (CELT) and policy support (S&B) however is strongly needed, since almost all quality improvement initiatives go beyond the scope of our faculty.

The estimation is that EEMCS and UT will need to pre-finance an expansion of around 10 fte education permanent staff and relevant support for accommodating the current, foreseen and

desired growth in education. EEMCS has already made a first effort by attracting 3 fte education on temporary basis, but this is not enough.

TNW (S&T)

In 2018, TNW will continue the following activities:

- Following up on the priorities from the NSE-questionnaire for 2017.
- Improving the Health Science curriculum and by doing so creating a stronger fit to the UT profile (TechMed) and attracting more students.
- Assessing the command of the English language of the support staff (OBP). We are now speaking with each individual member of the support staff of TNW and will take the appropriate follow up actions in 2018, in coordination with the central HR department and TCP, to set up a program to facilitate our employees with training and courses to improve their English language skills. When we hire new support staff, sufficient command of the English language is a requirement.
- Developing integrated M.Sc-PhD trajectories by making scholarships available, resulting in more international students (the best (international) students in for example China are interested in these trajectories).

For the year 2018 TNW will specifically focus on:

- Improving student-appreciation, expressed by high NSE-scores for our educational programs. Our ambition is to have all our educational programs awarded the designation “top-opleiding”.
- Strengthening the sense of community between students and staff.
- Improving facilities for project based learning (student workshops).
- Enhancing the international visibility and accessibility of our bachelor and master programs, while at the same time better preparing our students with respect to an international working environment. The faculty board supports the transition to English for the bachelor programs (except for TG). ST will make this transition in the next study year (Sept. 2018), Health Sciences is investigating a possible transition. Moreover, the faculty plans to maintain our existing double degree programs and possibly establish more.
- Further fine-tuning and modernizing of the curricula, for example in finding the balance between ‘breadth/reflection’ and ‘depth’, in the incorporation of blended learning/flipping the classroom and more student-centered learning.
- Creating new master-tracks with ET (master materials) and with BMS (master science communication) to attract more students.
- Further developing and expanding life long learning related to TechMed Centre/ECTM.
- Implementing a feasibility study for an international Master in Technical Medicine.
- Strengthening the initial proposal of the PDEng Healthcare technology & Design together with AHTI and AMC and exploring (on UT-level) how to proceed with the accreditation and implementation of the program (including potential alternatives for PDEng/CCTO).

BMS

In 2018, BMS will continue the following activities:

- Repositioning activities towards a more technological orientation for the bachelor programs COM and PSY. Based on an external and internal analysis, the bachelor programs will be repositioned and a redesign of the curricula will be made.

- Promote the attractiveness of master programs by developing clear tracks for BA and CS, and by broadening the programs of PSTS and IEM in more specific tracks related to fields of application.
- To recruiting a balanced mix of national and international students, all educational programs of the faculty BMS will be provided in English from September 2018 onwards. To counterbalance the German international influx, marketing activities will focus on specific target countries from Southern, Eastern and Northern Europe, next to a selection of non-European countries.
- For the faculty BMS, it is important to achieve sufficient study success. For the bachelor, the aim for 2018 is to achieve at least the rates of 2017 e.g. by the use of matching for the bachelor Psychology. For the master and the pre-master we will examine the use of more clear and strict application rules.
- With regard to internationalization, an important aim is to promote the international experience of current BMS students. For 2018 the aim is to increase the number of outgoing and incoming exchange students with 10%. To achieve this partner universities will be evaluated on past collaboration and exchange balance. Erasmus contracts with non-performing partner universities will be terminated. Additionally 10 new international partner universities will be contracted.
- For master programs double degrees take an important role in the internationalization strategy of BMS. The goal for 2018 is to develop two additional double degree master programs.
- The average NSE scores of the bachelor programs showed a significant improvement in 2017 (in comparison to 2016). The aim for 2018 is to achieve a 10% increase in the faculty average of NSE evaluations, with average scores above 4 for program in general, content, study facilities and academic counselling and testing.

ITC

ITC will not receive funds from the WSV, because of the specific government funding for this faculty.

In order to educate the professionals of the future, as is ITC's mandate, there is a need to continuously update and enhance the education that we offer. This is an ongoing process that gained momentum when the decisions were made to develop the new Master's program on Spatial Engineering (M-SE) and to extend the Master's program on Geo-Information Sciences and Earth Observation (M-GEO) into a two-year program. These developments will be continued in the coming year and both programs will start in September of 2018. Staff commitments and investments to make this work will be continued along the lines that were already set in 2017.

The double degree cooperation that we have with our education partners (JEP's) will have to undergo a certain degree of change in order to bring them in line with the 2-year curriculum of the M-GEO. The existing double degree programs have been reviewed in 2017 and changes necessary to fit with the new 2-year M-GEO will be finalized in the beginning of 2018. It is expected that new alignment with the 2 years MSc will lead to an increase in the number of students by the JEP's. In addition to this the cooperation with several partners will change into a broader academic partnership, including possibilities for staff and student exchange and joint research and publications, thereby strengthening our academic network.

The cooperation with other faculties in the field of education is gradually developing and growing. In the M-SE the cooperation with BMS and ET is shaping up and ITC is contributing to a new MSc specialization on UAV technology and applications in EW's program on Systems and Control. Almost

all permanent staff has completed the UTQ and the recently appointed young staff members will work on obtaining their UTQ. It is the aim to have all staff complete the BKO trajectory towards the end of 2019, and to have several staff members enroll in the program for Senior University Teaching Qualification (SUTQ). This will further enhance the quality of our teaching staff and will give a boost to the innovation of our education.