Annual report academic year 2017-2018 Programme Committee ST

Members

The Educational Committee consists of 4 teachers and 4 student members (see table 1). The student members are chosen through an election during the TOSTIS activity organized by study association Alembic. Teacher members are appointed in consideration with the other members and the programme director.

Table 1: Members and regular guests

	Name	Function/group	Date of taking office
Teachers*	Dr.ir. W.M. de Vos	Membrane Science and Technology	November 2017
	Prof.dr.ir R.G.H. Lammertink	Soft Matter, Fluidics and Interfaces	May 2010
	Prof.dr.ir. M. Huijben	Inorganic Materials Science	September 2014
	Dr.ir. B. Schuur (chair)	Sustainable Process Technology	September 2013
	Prof.dr.ir. P. Jonkheijm	Molecular Nanofabrication	May 2015
Student members	J.J. ter Horst	B ST	September 2017
	A.K. Mehendale	M-CHE	September 2017
	R.P.J. van Gestel	B ST	September 2016
	T.D. van der Meer	M-CHE	September 2016
Advise, support, regular guests	Dr. ir. B.H.L. Betlem	Programme Director	[-]
	M.A. Stehouwer, MA	Study advisor and coordinator ST	[-]
	Alexandra Elbersen - Grote	Study advisor and coordinator M-CHE	[-]
	Drs. H.J. van den Hengel	Coordinator Quality Assurance TNW	[-]
	K.J. Schildkamp	Alembic	[-]

* Dr.ir. W.M. de Vos took the position of Prof.dr.ir. RGH Lammertink in November 2017. Prof. Lammertink remained committee member until March 2018 while Prof.dr.ir. P. Jonkheijm was on sabbatical. In March 2018 Prof. Lammertink resigned.

Dates of meetings

- 13 September 2017
- 16 November 2017
- 25 January 2018
- 22 May 2018
- 21 June 2018
- 29 March 2018
- 26 April 2018

Meeting 13th of September 2017	
Educational evaluation	B1q3; M3 (16-17): - The pass rate for Math C1 was quite low, likely because the attendance at the tutorials was low despite the Math teachers telling students it was important to attend these. If next year this trend continues, the OLC will discuss on possible improvements. - The project was rated less well. The teachers were open for comments, recognized the points of attention from the students and are working on it. B2q3; M7 (16-17): - The course 'Organische en Bio-organische chemie' is the course that had the lowest results and lowest rating by students of the second year. According to the students, this had to do with the low number of possible retakes and low attendance. The low attendance was also a point of critique of the teachers. The retake should be doable according to them, if the students take enough time to study for it. - The practical course was rated positive by students. B3q3; M11 (16-17): - Students would like more statistics and ethics. It will be considered how this can be done (without going above 15 EC for the module).
Discussions regarding curricula	[-]
General education	[-]
Other business	- Two new student members will need to be found at the TOSTIS the week after the meeting. - W. de Vos will be asked whether he is willing to join the OLC to replace prof. Lammertink. Prof. Lammertink is asked to keep his position until Prof. Jonkheijm returns form this sabbatical in March.

Meeting 16th of November 2017	
Educational evaluation	B-assignment: - Students are generally satisfied. - Some students felt they had little choice in shaping their own bachelors programme. It is hoped next year's students are more positive about this, since they will have a choice in M8. M-ChE, Lab course Sustainable Process Technology (16-17): - This was the first time the course was given, and students were quite positive. M-Che, Technology venturing & Societal embedding (16-17):

	- This is not a compulsory course anymore, as few students like the combination between technology and societal embedding. It has to be discussed whether the course will be given to students that are interested. B1q4; M4 (16-17): - Sometimes the lecture room is not large enough, so the module coordinator would like to know the number of participating students in advance. - Students mentioned there is a difference how they are assessed, depending on the supervisor. This will be discussed with the lecturers but it also remains responsibility of the students. - The Math test was partly multiple choice, about which students wondered whether it was representative for their knowledge. This will be discussed with the Math teachers. - The pass rate was 89% and 100% after the resits. B2q4; M8a and M8b (16-17) - The participation percentage was somewhat below the signal value. If it drops further in the future, the OLC should act. - M8a; Process Engineering: The pass rate was 92%. - M8b; Materials Science and Technology The pass rate was 78%. Mainly the Advanced Materials course was a tough subject. It was the first time of the teacher and possible improvement was already discussed.
Discussions regarding curricula	[-]
General education	- There is a plan for a curriculum committee for the Process Technology master track. - A. ten Elshof is replacing R. Lammertink as track advisor for the Materials master track. - Chemical Engineering has for the 6th year in a row been awarded 'Top education' by the 'Keuzegids'.
Other business	- J.J. ter Horst and A.K. Mehendale joined the OLC as student members. W.M de Vos joined the OLC as teacher member.

Meeting 25th of January 2018	
Educational evaluation	AAM-Characterization (17-18) - Students are satisfied with the course. - B.H.L. Betlem has had a discussion with the coordinator, who wants to go more in depth into a few techniques. The OLC approves. Colloids and interfaces - The results are very good.
Discussions regarding curricula	[-]

General education	- Some changes have been made to the documents stating the intended learning outcomes for the BSc and MSc to make it more in line with the TEM-model. A few suggestions for improvements of the documents are made by the OLC.
Other business	- It is decided that this year Blackboard will be used for uploading the minutes. Next year Canvas will be used for these publications.

Meeting 29th of March 2018	
Educational evaluation	[-]
Discussions regarding curricula	- For the Process Engineering track are plans to reduce the EC for compulsory courses to 30 and the EC for the final assignment from 45 to 40, to give more room for electives.
General education	- The necessity of MATLAB had come up during the meeting with the faculty council, but a good alternative must be found before replacement can be considered. - There is still discussion about the EER, mainly about the 15 EC norm and the validity period of exam results. - The ZER of the bachelor is considered very clear and professional but also too modest, this will be improved. - N. Benes tells about how the former funds for students, now partly given to universities to improve, will be spent in our faculty. The OLC is positive about the suggestion to use the fund on a faculty level and to work out ideas on community building and facilities.
Other business	- The minutes of the last two academic years are uploaded on Blackboard. - B.H.L. Betlem has visited universities in Indonesia and China that are interested in relations. - The current position of B.H.L. Betlem will be split up into 3 parts: one for Chemical Engineering, one for Nanotechnology and one for internationalization.

Meeting 26th of April 2018	
Educational evaluation	[-]
Discussions regarding curricula	- For the master curriculum a new course for the materials track was considered. P. Jonckheijm will send his ideas to B.H.L. Betlem.
General education	- Some small adjustments for the ZER of the masters are mentioned. - The bachelor will keep the Dutch name in CROHO, and plans are made to change the international name (Chemical Engineering) into something covering the whole program. - The program committee advices positively to provide two diplomas.

Other business	- The Faculty Council will be informed that communication with the OLC should be with the OLC as a whole and not with the students only. - For the succession of B.H.L. Betlem there will be an open internal vacancy for a 0.5 fte Program Director function. - R.P.J van Gestel and W.M. de Vos have a first look into ameliorating the 'Huishoudelijk regelement'. - A.S. Elbersen is going to check how long Blackboard will stay available.

Meeting 22nd of May 2018	
Educational evaluation	B1q1; M1 (17-18): - The evaluation showed the module was considered as quite good. B2q1; M5 (17-18): - In general, the module was considered good. - The pass rate of Math B2 remained relatively low.
Discussions regarding curricula	- A proposal was made for a new CPE-curriculum, containing the decrease in magnitude of the master's assignment to 40 EC and several new electives. The OLC unanimously advises positively about the proposal.
General education	- A meeting between two student members of the OLC and the portfolio holder education is planned, in which the allocation of extra funds will be discussed. The OLC gives possibilities for improvements these funds could be used for. - Several modifications of the Master OER Programme specific appendix are suggested. Several more changes are upcoming, but so far, the OLC advises positively. - A message was sent by the Faculty Council about a change in the OER, with a request for advice. The content of the proposal is not a problem, but the OLC does not agree with the procedure of the change. A reply will be sent advising the Faculty Council to find the right procedure.
Other business	[-]

Meeting 21th of June 2018	
Educational evaluation	[-]
Discussions regarding curricula	- For the MME curriculum, some changes were made with making statistical thermo compulsory as major change. Also, some electives were added including Electrochemistry and some electives from the CPE track. The OLC thinks these changes were good and the curriculum looks fine - For the bachelor the language has changed to English and the statistics course in module 11 has become compulsory,

	causing a decrease of the EC for research science from 5 to 2.5. - The premaster for the MME has changed slightly, due to a change in an AT course. For advanced materials science and chemistry and technology of materials the amount of EC has decreased and fundamentals of solids was added. - A base for a two-master's program has been made, where the assignment will be 60 EC and the internship 30 EC. Both must be approved and assessed by both programs. Students will take 90 EC of courses including at least the compulsory courses of both programs and a maximum overlap of 20 EC. It is suggested to incorporate this in the EER.
General education	- No significant changes in the EER are made except for the change of language to English, which means that modifications only have to be made in the English version from now on. - For the transition, students are still allowed to make exams in their native language provided the lecturer understands this language and English of teachers will be a standard part of module evaluations. - During the quality agreement meeting, after a brainstorm three main topics on improvement were obtained: making more use of student assistants, more workplaces and more substantial projects optionally with students from different programs. - The student members tell that they prefer no evening, after a question about this was received from the schedulers. It should be scheduled that students at least will not be occupied the entire day. It might be good to think about rules regarding lectures or exams in the evening.
Other business	- For the vacancy of program director, a student, a staff member and two professors will be in the advisory committee. - The rector approved the change of the bachelor name to Chemical Science & Engineering. - The current guess of new bachelor students is 60, of which 15 internationals, which means the number Dutch students is decreasing.