

UNIVERSITY OF TWENTE.

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Date: 25-04-2018

Present:

Chairman: dr.ir. H.J.M. Geijselaers
OLC-members: F. Krekt, J. de Groot, ir. E.E.G. Hekman, dr.ir. M.B. de Rooij,
ir. M.E. Toxopeus, dr.ir. E.T.A. van der Weide
10 Permanent guests: L. van Dijk, drs. E.M. Gommer, dr. G.G.M. Stoffels
Minute maker: A.M. Palthe
Absent with knowledge:

Report 238th Education committee 25th April 2018

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1. Opening

The chairman opens the meeting at 10:03.

2. Concept VU-UT curriculum (Pieter Roos)

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Dr.ir. P.C. Roos introduces himself shortly, he is the quartermaster of a new initiative for a combined VU/UT ME BSc. There is a curriculum working group that is setting up the first draft for the VU/UT ME BSc curriculum. The bachelor programme at the UT will remain the same, the proposal is only for the collaboration with the VU.

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Dr.ir. P.C. Roos mentions a few things he would like to highlight in this meeting. A new calendar has to be dealt with, instead of four quartiles of 10 weeks, the VU uses a 8-8-4-8-8-4 (weeks) system, so with six periods of different lengths. The VU would like to exploit the strengths of TOM.

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In the end, alumni will have the same certificate at both the UT and the VU, but there is a certain part to fill in freely. The universities can add their own flavour and possibly copy the best parts of the other university. For example, the math line at the UT gives a lot of problems, so this could be copied from the VU.

Is it the aim to have different programmes or do the programmes differ because of practical reasons? This can give a very different mindset.
For today we will focus on the curriculum.

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It is desired to use the strengths of TOM. For the outside world it is good to use TOM as a selling point. The mathematics should be redesigned. Newly added is a continuous assessment.

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There are four themes throughout the bachelor: sustainable energy transition, technology for health care, smart factories and resilience engineering including maintenance.

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Because the students are supposed to get 75% of their education at the VU, the UT should also follow the VU schedule of 8-8-4-8-8-4 week periods. Although this could also be a reason not to do that. If the education is "out of phase", this will improve the availability of teachers etc. The proposed curriculum is such that possible practices at UT facilities do not coincide with the UT ME programme.

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The projects are quite small, which is probably because they are included in the 4-week period. At the moment there is a lot of influence from MS3, so the other departments should check this as well. Many people (also from other departments) showed interest, but many do not have the time to actually work on it.

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It is a nice idea how the blocks and themes are connected to companies. The names of the themes are not always clear.

Looking at the curriculum, it appears that the only differences between the VU and the UT can be seen in the projects.

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Since a lot of teaching and tutoring will be done in Amsterdam by teachers from the VU, these teachers should come to Enschede and be integrated in the UT team in September.
On the 22nd of May there will be a meeting, which will provide more information.

In the next meeting in Amsterdam it will be discussed how it will be organised that the VU students will spend 25% of their time in Enschede. Travelling back and forth takes too much time, but if the students will stay in Enschede for a week, the UT will have to provide housing.

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Dr.ir. P.C. Roos leaves at 10:39 and would like to join the OLC again sometime for occasional feedback.

3. Minutes 237th OLC-meeting

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No comments on the minutes.

Action points

69: Not started yet, not a priority.

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71: There are no special regulations for this. It is allowed to put them after a login. If published online for all to see, also put a comment of the teacher. Remove the names.

76: Done. Drs. E.M. Gommer will not be at the meeting this afternoon, because she wants to remain independent.

78: Not yet done.

79: Not yet done.

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80: Not done, but part of this has just been done by dr. r. P.C. Roos. Many higher level questions about the organisation have to be discussed yet, so this action point can remain.

81: Not yet done.

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J. de Groote and ir. M.E. Toxopeus realised that an OLC drive is still missing. It is possible to build a canvas site, this can already be done now.

4. Announcements

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The year plan says that these meetings are from 10:00 to 11:30, but this seems to be a bit short. Maybe continue until 12? Some have to leave early today.

Progress accreditation

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Drs. E.M. Gommer asked dhr. Spijksma from Demcon to be a committee member from a company, he will assess the booklet. The document was also send to the Educational Committee, they can give feedback on any parts they find interesting and important. The feedback should be given before May 18th.

Pre-registration

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The amount of pre-registrations are decreasing, because a lot of foreign students cancel. The current amount of registrations is about 180-200. Drs. E.M. Gommer has asked for extra money to buy more equipment for the workshop and add more staff, to ensure that there is enough room for all the new students to do the first project in the workshop.

For some subjects it might be necessary to split the students in two groups.

A numerus fixus is not possible, because then it has to be proven that the labour market is satisfied, which is of course not the case for mechanical engineering.

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5. Year plan and actions 2018-2019

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F. Krekt and dr. ir. H.J.M. Geijselaers made a year schedule. The time of the meetings (12:30) is a problem for dr.ir. E.T.A. van der Weide. It may be possible to change the standard day (Wednesday). The time has changed such that the meeting does not overlap two blocks. It might be a better option to start at 08:45.

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Topics: Is the VU topic too early? It is not certain if there will already be something to discuss at that time. It might be too early to decide the topics now, although there are some standard topics that can be planned already. These have been planned already, but they can be changed or others can be added.

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Things will be changed in collaboration with the evaluation committee. Maybe the Evaluation Committee could just point out the highlights, since the Educational Committee should have a helicopter view. This should not be discussed in too much detail.

6. Master Renewal 01:02:00

Drs. E.M. Gommer has prepared a short presentation on the master renewal. This is not a formal advice, just a way to show some ideas and ask for the opinion of the OLC.

125 The master renewal is necessary because feedback from students and evaluation reports indicate that it is not going well. Also, since the market is evolving, the master should follow these developments. For the programme visitation it is necessary that there is a plan for improvements. Education always needs maintenance.

130 The current load in the master appears to be too high and the planning is such that most students are running late. The focus for the master renewal is not on faster graduation, as was the case with TOM, but removing hiccups to make it feasible to finish in two years. One of the main problems is that many master courses involve assignments, which should be done after the course. Therefore the different quartiles are overlapping.

135 Drs. E.M. Gommer has had input from various groups, the specialisation coordinators, evaluation documents, people from other programmes and a panel discussion with both Dutch and international students. The project group for the master renewal consists of students and teachers from different groups.

140 Goals of the master renewal: More flexibility and freedom to choose courses, possibility for interdisciplinary profile, create clear and appealing profiles (at the moment the different specialisations are not clear enough), clear options and procedures for external (international) students (it is very difficult to explain and many students do not want that much freedom), more cutting edge (add newest knowledge), integration of faculty themes (try to add them in assignments), feasibility and information supply.

145 Timeline of the master renewal: A concept plan with basic ideas should be ready in March/April 2018, a detailed plan should be ready and approved in September 2018, the renewed master programme should be up and running in September 2019. It has not been thought of how this will affect the current master students. They will probably not encounter many problems, since the subjects themselves will not change. This subject will be dealt with later.

150 Aspects to focus on: Content and curriculum and organisational/feasibility. These are focused on most at the moment. Later the focus will be on educational and PR/communication aspects. It is preferable to decrease the amount of signatures needed for the administration. Maybe parts of it can be done digitally.

160 Specialisations: Clear specialisations based on content themes. Drs. E.M. Gommer tried to formulate different specialisations, but is not yet satisfied with the result. Mechatronics & robotics, Maintenance and Health Technology are good, because these are clear, appealing and interdepartmental. Others, for example Energy and Sustainability are not yet perfect, because it sounds too much like SET. Design is too general. The manufacturing part appears to be missing. It will still be possible to choose your subjects such that you can combine different specialisations. Drs. E.M. Gommer would like more input from students as well.

165 Structure: Students will choose three courses from fundamentals, three from specialisations, three from ME electives and three from free electives. It is still a discussion how free the free elective courses should be. Should it be possible to do three philosophy courses? Or only engineering courses?

170 Questions: What is an easy course package? The OLC is mostly enthusiastic about this renewal, because the current master is a jungle. The teachers do mention that the chosen subjects should be approved by a professor, such that all students have a set of subjects enabling them to perform a master assignment. This could also involve non-ME courses. A lot of students do not know what kind of master assignment they would like to do.

180 At the moment the focus is on the content and the structure of the master. The feasibility and organisation of the master will be discussed in a next phase.

It has not yet been considered whether courses can have more than one label.

185 It might be a lot clearer to show examples of graduation subjects.
The specialisations are no longer attached to the departments.
It is not clear who students should turn to for questions etc. There should be some general heads who will refer the students to the right professor.

190 Drs. E.M. Gommer would like some advise and input from the OLC members (especially the students) for the specialisations of the master renewal. Dr.ir. H.J.M. Geijselaers would like to get more information on how this will be integrated in the organisational structure.

195 It is interesting how nobody talks about the internship or the master assignment, only about the courses. The specialisations should be more focused on the graduation assignment.

7. Educational business

200 Drs. E.M. Gommer has received an email about alterations in the master programme. In the specialisation project management, the elective course supply chain and transportation management will be replaced by reversed logistics and green manufacturing. Also, in design engineering the elective engineering project management has been added.

Ir. M.E. Toxopeus would like to see the new overview for students who start their master this September in the OLC.

8. Any other business

205 It appears that 1,5 hours is a bit short for these meetings, maybe they should be planned longer in the future.

210 There will be an extra meeting on the 16th of May, mainly for students to get input for the quality improvement. It would be nice if some of the OLC members could be there.

Dr.ir. H.J.M. Geijselaers is setting up a canvas site for module 8 dynamics for industrial design.

215 Dr.ir. R. Loendersloot has gotten a grand for education research and is going to do research on e-learning in the master.

9. Closure

The chairman closes the meeting at 12:02.

Faculteit Engineering Technology
Opleiding Werktuigbouwkunde
Opleidingscommissie (OLC)

<i>Finished action points</i>				
	Action:	Introduced on:	Status:	To be completed by:
41	Ask for FR minutes from FR	08-06-2016		BOZ
1	Door evaluatiecommissie de vakevaluaties laten bespreken (n.a.v. OLC-377)	01-11-2001		
69	Find someone to assist the evaluation committee in rewriting the evaluation manual.	07-02-2018	Not done yet	Drs. E.M. Gommer
70	Contact Monique if the evaluation reports can be put on the intranet.	07-02-2018		Drs. E.M. Gommer
71	Determine whether there are regulations demanding public publication of the evaluation reports.	07-02-2018	Done	S. Ruiter or successor
76	Find a neutral guide to help the committee writing the student chapter.	07-02-2018	Done	Drs. E.M. Gommer
78	Talk to Prof. Schippers about improving the tribology course which has had the same recommendations for the last few years	14-03-2018	-	Drs. E.M. Gommer
79	Talk with dr. ir. E.T.A. van der Weide about the prerequisite knowledge for NMME and the hours required for each task.	14-03-2018	-	Drs. E.M. Gommer
80	Invite Marjolijn to the next OLC meeting.	14-03-2018	-	Dr. ir. H.J.M. Geijselaers
81	Present results of the research on cumulative testing.	14-03-2018	-	E.M. Gommer

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82	Set up a canvas site for the OLC.	25-04-2018		Dr. ir. H.J.M. Geijselaers
83	Send feedback on the master renewal to drs. E.M. Gommer.	25-04-2018		OLC (student) members