

UNIVERSITY OF TWENTE.

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Date: 14-03-2018

Present:

Chairman: dr.ir. H.J.M. Geijselaers
OLC-members: F. Krekt, J. de Groot, ir. E.E.G. Hekman, S.R. Sewmangel,
10 ir. M.E. Toxopeus, dr.ir. E.T.A. van der Weide, M.P.A. van Bergen,
B.R. van Eijk, R.A.J. Elshof, L van Dijk
Permanent guests: drs. E.M. Gommer, dr. G.G.M. Stoffels
Minute maker: T. van der Molen Bsc
Absent with knowledge: dr.ir. M.B. de Rooij
15 Evaluation committee: A. Knijnenburg, A. Kruizen

Report 237th Education committee 14th March 2018

1. Opening

The chairman opens the meeting at 10:02

20

2. Evaluation Committee

*****PLEASE NOTE: due to a request of the OLC committee the evaluation reports are no longer included in whole in the minutes, instead only discussion and action points regarding the evaluation report are transcribed*****

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Evaluation reports

Module 6 'Product Design'

30 Tribology has a low score, the students state that the teacher doesn't give good feedback. This was already mentioned last year, so no improvement has been made. The points that have a low score for Tribology are very specific and could be picked up by the teacher. The evaluation committee explains that the teacher only wants to improve the course if all students fill in the evaluation, since according to him the evaluation is now too harsh and not filled in by enough
35 people.

(E. Gommer enters at 10:06)

40 What is being done with cases like this, where a course has a problematic evaluation for several years and there is no action being taken by the lecturer? The Programme director explains that in cases like this she often talks to the lecturer.

AP(E.M. Gommer) talk to lecturer about improving the Tribology course, which had the same recommendations for the last few years.

45 **Module 2**

All courses are now evaluated in English since the language of the course has switched to English.

50 Modpro has a very low score especially compared to other years where it had a rather high score. It is believed that the low score is due to low attendance, and that the practice exam is not representative. This was also stated at the panel meetings. Students don't go to tutorials because there are not enough student assistants. The lecturer says that students at the tutorials are way behind on their work. A discussion follows, the conclusion is that the problem with the low score of modpro lies not with the course itself, but with the general problem with grades and attitude of
55 the students.

60 There was some confusion about the results of thermodynamics with regards to the elementary school question. The evaluation committee explains that staff can add questions to the evaluation, which are not taken into account for the overall scoring. Also the question should say secondary school instead of elementary school.

Numerical Methods in Mechanical Engineering

65 If students fill in a “not applicable”, the score is treated as a zero, which is the reason why the scores for the second part of the course are so low. When corrected, the grade of the course changes to 3.5, which is sufficient.

70 The students themselves mentioned that they know that they do not have enough prior knowledge. The lecturers see that the prior knowledge is a problem, but consider it a problem from the bachelor and thus aren't going to do anything about it. They do not agree with splitting the course due to the connection between the two parts. The lecturers also feel that if the students had enough prior knowledge the 5 EC would be sufficient for the course. The workload is high because students don't have ready knowledge of the math skills. It might be beneficial to sit down and talk about what is actually expected of the students and how many hours each task takes. This is agreed upon by the OLC.

75 AP(E. Gommer) Talk to lecturer about the prerequisites knowledge for NMME and the hours required for each task.

80 It has been a long time since students did anything with those math skills. So it is understandable that they lack some knowledge. Many students say that they cannot pass the first time, and that they go to the exam the first time just to see what it is like. The pass rate for the first exam is 20% and 40% for the retake. The OLC agrees that this is not really a problem and has mainly to do with the points about grades and attitude of students.

85 **Plastic and Elastomer Engineering**

The grade is sufficient so it is decided not to discuss it.

90 The evaluation committee mentions that A. Knijnenburg, F. Krekt, L. van Dijk and J. de Groote will take part in writing the student chapter of the evaluation report. They will also involve other students.

(The evaluation committee leaves the meeting at 10:29)

95 **3. Minutes 236th OLC-meeting (concept)**

Page 1: Bram van Eijk, Martijn van Bergend and Raymond Elshof were present but not on the list

Line 31: evaluated should be discussed

100 **Page 2:** Line 72 until the end of the paragraph: should be placed before the part about NMME
The chairman suggests to only put discussions and AP's in the minutes, and omit the entire evaluation report. The meeting agrees.

The minutes are accepted with the aforementioned changes.

Action points:

105 Action point 41 and 1 will be removed from the list

65: has not been done yet but is not on the new list

69: E.M. Gommer will talk to M. Duivestijn about this

70: remains

71: remains

110 72: BOZ will do this after the webapp course in March

73: the timeline was sent by E.M. Gommer, the idea is to send the concept in the beginning of April so that the students can start writing the student chapter.

74: has been done

75: has been done

115 76: remains

77: has been done

Minutes Faculty council CT

120 The minutes of the Faculty Council are not discussed. But they are deemed useful to keep the OLC informed.

4. Announcements

Joint BSC ME-VU

125 E. Gommer gives a short summary on the subject:

There is going to be a cooperation between the VU in Amsterdam and the UT. This decision was made by the administrative board. There was a meeting between people from both universities. The idea was to start an engineering bachelor in Amsterdam, under ME's Croho number. It will have a different curriculum and different focuses, but it will still be Mechanical
130 Engineering. This is possible since you can vary 20% of the final qualifications, and can have a different curriculum within the same programme. A lot of teachers were at this meeting, and the reactions were mixed and skeptical, which is logical. The reason to do this is that there is a large population in Amsterdam that wants to do engineering, but doesn't want to leave the city. The plans are not very detailed yet. Between now and June there are several work
135 groups being set up, such as the curriculum work group. Maybe some of you will be approached, please contact M. Dohmen if you want to be involved.

A discussion follows on the different aspects of a joint BSC with the VU. The conclusion is as follows:

140 There are a few points of concern for setting up a joint master with the VU. Firstly the quality of education at the UT should not be compromised, but much trouble is anticipated in hiring and training adequate staff. Also the logistics regarding the facilities is worrying since there is not enough lab/workshop space as it is. Finally the open character of the UT could be in danger if there is a joint program. E.M. Gommer will keep the OLC posted on the changes.

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A.P. (B. Geijselaers) Invite M. Dohmen to the next OLC meeting

EC training

150 There will be a training on the 22nd March. There will be no English speaking people there, but it would still be beneficial to do the training in English.

5. Educational affairs

Studying Methods

155 There is a bit of a problem with declining pass rates. There is declining attendance of tutorials, often students practice by learning exams and don't open the book. G. Stoffels, E. van der Weide, A. de Boer and J. Schilder have formed a committee to deal with this problem. The current hypothesis is that the combination with TOM and BSA exerts pressure on the students and makes them study tactically and superficially. It was noticed last year
160 that students were not cooperating with each other anymore, which is why it was decided to put them all in one room to enforce more cohesion. A lot of students are a little bit behind. Before TOM they were not allowed to take part in the projects. Now they are allowed to take part, which results in a lot of effort being put into the bad students.

165 E. Gommer says that the committee is thinking about measures. Math A from module 1 could be removed and replaced by an introductory week, to make the step from high school to university, since the math A is not very useful. Another idea is to visualize the buildup of courses on each other. However the consensus is that visualizing is not very useful, since students will not care. Cumulative testing is also considered. A small discussion follows, it is agreed that a test showing the progress of students could be useful. However no agreement
170 is reached on the implementation or execution of such a test(s).

What is the state of the research on cumulative testing? E. Gommer has the results and will present them.

175 **A.P.**(E. Gommer) present results of the research on cumulative testing.

Work is being done by this committee and ideas are being submitted. E. Gommer asks people to send her ideas if they have any on this matter.

Progress first year students / BSA

180 G. Stoffels gives a summary of the results:

The students are not doing very well, 11% received a positive advice (pass both first and second module or fail a small course on module 2). 34% received a neutral advice (when you had to redo one subject as a resit). 35% received a negative advice.

- 185 21% have already stopped.
Last year about 10% or 11% officially stopped.
The international students do worse on average. Most of the students who quit are Dutch.
Some students who have received a negative advice would still be able to pass the retakes.
Only 14% passed modprod which was a big problem.
Not all results for the resits for module 2 are in.
- 190 For thermodynamics, a bit more than 50% passed the resit. The total pass rate is 73% for thermodynamics. This is similar for the pre-master students.
50% of the students passed the first module.
- 195 There is a downward trend in the number of people passing as well as the grades. It is agreed that this is worrying, a possible cause is the fact that TOM forces people to do 15 EC every module.
- 200 *Canvas*
There is going to be a course during which Canvas will be explained. Canvas will be implemented for the next academic year, but most teachers in the OLC say they will not do the course. Canvas will be a recurrent point on the agenda.
- 205 *Visitation*
Has been discussed.
- Master renewal*
Will be discussed next time. E.Gommer will give a short summary next meeting.
- 210 *New master course Q4*
The new course is about project management for engineering, the OLC agrees it looks alright. It is on the BB course schedule.
- 6. Video Lectures**
215 This point has been cancelled due to the absence of the person responsible.
- 7. Any other business**
There is no other business
- 8. Closure**
220 The chairman closes the meeting at 11:38

Finished action points				
	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		
73	Translate the educational audit timeline.	07-02-2018		Drs. E.M. Gommer
74	Set up a committee to write the student chapter of the evaluation report.	07-02-2018		F. Krekt
75	Send the evaluation report of BIT to F. Krekt as an example.	07-02-2018		Drs. E.M. Gommer
77	Send information about the CELT course for EC members, including a doodle.	07-02-2018		Dr. ir. H.J.M. Geijselaers

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Current action points				
	Action:	Introduced on:	To be completed on:	To be completed by:
69	Find someone to assist the evaluation committee in rewriting the evaluation manual.	07-02-2018		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		S. Ruiter or successor
76	Find a neutral guide to help the committee writing the student chapter.	07-02-2018		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		E.M. Gommer

Faculteit Engineering Technology
Opleiding Werktuigbouwkunde
Opleidingscommissie (OLC)

79	Talk with E.T.A. vd Weide about the prerequisite knowledge for NMME and the hours required for each task.	14-03-2018	-	E.M. Gommer
80	Invite Marjolijn to the next OLC meeting	14-03-2018	-	H.J.M. Geijselaers
81	Present results of the research on cumulative testing .	14-03-2018	-	E.M. Gommer