

MINUTES OF THE PROGRAMME COMMITTEE-EE/EMSYS MEETING on 04 April 2017 14.00 hr.

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Present: Ronan van der Zee (Chairman)- Bert Molenkamp- Roel Mentink- Lynn Bruins- Rowan de Vries- Niels Leijen- Vincent Smit- Wilfred van der Wiel- Mark Bentum (Programme director)- Silvo Jeunink (minutes)

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Absent with notice: Loes Segerink

Absent without notice:

1. Opening

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2. Minutes programme committee 07 March 2017 (5952)

In response to the action items:

89, is set up by the Educational Quality Committee (EQC).

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The programme director also received an action item at the EQC meeting to evaluate the content of modelling and simulation. To do this the advisory board is consulted.

93, clarification was received, it was the other way around, as expected.

94, an evaluation about the subject is set up.

95, the minutes are published on the website about the programme committee.

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96, it can be found on the EECMS Quality Assurance page on Blackboard, the chairman will check this page occasionally.

In response to the points of attention:

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The cum laude regulations are in TER and not in the Rules and Guidelines of the Examination Board. At all educations, there are discussions about whether it belongs to the first or the second one. It depends on the vision on the function of the Examination Committee. The choice is made to add it to the TER.

3. Incoming/outcoming mail

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incoming:

- Verlooprapporten en enquetes Q1 en Q2

It is not clear what should be extracted from this mail. The mail is about the process of quality assurance; evaluations are conducted for this.

There is no double evaluation of Systems and Control

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- Presentation on OLC's

There is money available for staff and student members of the programme committee for training.

4. Announcements

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Chairman: -

Programme Director:

Bentum will leave the University of Twente from next September to be professor Radio Science at another university. A new programme director is being sought for.

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Before this date a curriculum committee is set up to evaluate the TEM modules of last years and the issues of the education.

The development of the ROMP TER of the bachelor is not going smoothly. At the university council level, there are a lot of discussion about the divisibility of the modules. A

proposal is now presented to resolve the debate.

StOEL:

Complaints were received about the short time between the resit and the moment the grades were published. The programme director responds: This is occasionally the case; this is mostly because of planning issues. Most modules plan the examination at the end of module, shifting this to earlier dates, will reduce the time available for education. The ROMP TER prescribes a minimum of 5 days as separation and will probably become 3 days. A compromise is to publish the answers of the exam or to have it discussed, directly after the exam, so that the students can check their work. For next year, another solution should be found.

The OPEL educational award was given to the Bram Nauta this year.

There are complaints about the course Quantitative Embedded Systems, the teachers are also not satisfied, the course will be evaluated.

At module 11, the grade criteria of the project were not clear.

Molenkamp:

An almost definitive version of the assessment documents was published on 1st of April.

Information about the assessment of Embedded Systems can be found at:

<https://www.ram.ewi.utwente.nl/embedded2017/>

Smit:

At the next meeting Kers will be present again.

5. Reaction module 4 on SEQ

The reaction is proper.

6. Resultaten Elsevier keuzegids

The grade for the education is back to normal level, last year it was a top education.

The grade for Embedded Systems varies per location, although it is a 4TU master. This probable because the education has local courses and the communication in Twente is better, because the number of students is much smaller.

7. SEQ Evaluation 1B – Systems and Control

This agenda point came from the previous meeting. The problems at this module persist.

The programme director finds the situation regrettable and frustrating. A lot of changes have been done over the years. Still something must be done about it, but the programme director has no solution at this time for the persisting problems. First the outcome of the evaluations is awaited, afterwards a discussion with module team will be held.

The (partly) omission of education about mechanics is a shortcoming in the curriculum, but this was communicated to the module team.

8. Student Experience Questionnaire Master Programmes semester 2 (2015-2016) July 2016

Since a short time, the results are present on the website.

The questions about the exceptional course do not provide enough information, because it is not asked which course was exceptional.

Students mostly find a solution for problems of master courses in consultation with the teacher. Besides the StOEL is open for receiving the complaints about the master courses. This combined is the most efficient matter to resolve problems.

9. Voorstel aanpassing wiskundelijk eerstejaars bachelor

The advice is about the 'wiskundelijk' of the first-year bachelors the order of the mathematics subjects and the weight. The educations EE, AT, Applied Physics and maybe Applied Mathematics were put into one cluster and asked for an advice. One of the proposals is to add vector calculus to the 'wiskundelijk' (and drop mathematics A) and treat a mathematics subjects one quartile before it is required at a module. Another proposal is to not increase the amount of time spent on mathematics.

10. Master OER-EE 2017-2018

Last year the development of new TER is started, it is made with the same structure as the bachelor ROMP TER.

The chairman asks the members to send minor and textual mistakes directly to Bentum. The mistakes which cause confusion about the meaning of the text will be discussed now:

a)

Article 1: The EEMCS education Systems and Control is not mentioned in the document, whether the education participates in this document should be sought out.

Article 2.1.5: The content is mentioned earlier in the document

Article 2.2.2: Minimum requirements for the level of every aspect of the language tests are not mentioned. (The partial scores)

Article 3: The terminology is not consistent.

Article 5.3: The registration date is the starting date of the master, because of 'harde knip'.

b)

Article 1a: The enumeration of chairs given is not clear for students reading the TER.

Article 4.2.2: The phrasing about the compulsory courses is not clear.

Article 4.4: Sustainable energy technology should be added to the list, maybe also other specialisations.

Article 4.7.3: Only permanent members of scientific staff are allowed, this should be changed to also allow (longer term) temporary staff.

Article 6.4: can be removed, as the content is mentioned earlier.

11. Any other business

Van der Wiel will leave the programme committee, a successor is being sought for. The question is whether this successor should be a professor. The members do not especially prefer a professor. Van der Zee will discuss this topic with the 'afdelingsvoorzitter/decaan'.

12. Questions

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13. End of the meeting

The meeting is closed by the chairman at 15:51

Action items

No	Description	From meeting	Responsible
89	SEQ houden voor het vak Modelling and Smulatio	01-11-2016	OLD
97	Request the evaluation of Quantitative Embedded Systems from Eindhoven	04-04-2017	Molenkamp
98	Discuss with the 'afdelingsvoorzitter/decaan' whether the successor of Van der Wiel should be a professor.	04-04-2017	Van der Zee

Complete action items

No	Description	From meeting	Responsible
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Points of attention

No	Description	From meeting	Responsible
01	Opleidings specifieke deel B/M OER's EE en M-OER EMSYS 2017/2018 agenderen	April 2017	OLD EE/EMSYS
02	Updaten OER 2017-2018 - Master OER: CL eruit en opnemen in R&R	April 2017	OLD EE/EMSYS
06	Circa februari 2017: Docenten vragen eventuele ingrijpende wijzigingen in hun cursus door te geven (ter bespreking in de komende OLC vergaderingen). Vragen naar wat belangrijk is voor de OER 2017	Mei 2017	Key-user