

## MINUTES OF THE PROGRAMME COMMITTEE-EE/EMSYS MEETING

03 April 2018 14.00 hr.

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### Present:

Lynn Bruins – Roel Mentink – Cas Doornkamp – Maarten Bonnema – Loes Segerink – Stef van Zanten – Ray Hueting – Bert Molenkamp – Luuk Spreeuwers – André Kokkeler (14:44)

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(Program Director EMSYS)

### Absent with notice:

Anne Johan Annema

### Absent without notice:

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#### 1. Opening

Start of the meeting at 14:00

#### 2. (Concept) Minutes programme committee 06 March 2018

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Bruins asks if Molenkamp received any feedback from the suggestions the OLC made to the satisfaction of the language quality. Molenkamp did not receive any feedback yet.

Van Zanten forgot to forward the Language policy so it will not be discussed this meeting. He will do it for one of the next meetings.

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#### In response to the action items:

Because Annema is not present there is no update on the action items.

#### Points of attention:

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#### 3. Incoming/outcoming mail

##### Incoming:

Evaluation QEES 2017-2018 – this will be discussed at point 8.

##### Outgoing:

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#### 4. Announcements

Spreeuwers wants to announce that there has been a meeting about the math in module 2. In that meeting changes were proposed but no decisions have been made yet.

One of the propositions made is to move some of the math to another module.

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Another thing is to stimulate students to go to tutorials.

Spreeuwers is going to try to get the intermediate test back in this module, the math teachers do not want this but it is seen as a huge advantage among the students.

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#### Chairman:

Molenkamp asks if everyone received all the documents for the meeting.

Van Zanten says that StOEL did not receive the documents. Masselink says that he will look into it what what went wrong and pay attention to it

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#### Program director:

#### StOEL:

StOEL received a lot of complaints about the subject internet security. Because of those complaints StOEL will evaluate this module.

5 Our study advisor is still not back at work, she has been ill for quite a few weeks now. StOEL would like to know how this is going to be solved and if we need to look into the situation of the study advisor. Bruins says that a replacement is being arranged now. Segerink mentions that the teacher do not even know that Daphne is out of office. Molenkamp will contact Annema about the situation with the study advisor.

10 StOEL would like to know what is going to happen with module 8, because the things they hear right now do not sound very promising. They already scheduled video lectures and for other subjects there are still no teachers. The project is already an issue for several years but it is still not changed as far as StOEL knows.

15 Bruins says that last year there was an evaluation from module 8, she wonders what happened to this evaluation and if changes have been made.

Molenkamp says that he will contact Annema about the progress of module 8.

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## 5. Richtlijn en Model OER Bachelor 2018-2019

van Zanten says that the ROMP OER has not been approved by the URaad and therefore at this point this OER will not be used next academic year.

25 Bruins adds to this that she also heard that we should use the old ROMP OER to write a new one because the new one will most likely not be approved for this academic year.

Segerink says that it would be most efficient to discuss both the ROMP and TER OER at the same time because they often refer to one another.

30 Mentink mentions some changes proposed last year have still not been implemented. See paragraph 3.2.1.a where Advanced Technology and Technische geneeskunde are stated as exceptions but Electrical Engineering is not. There are more of such proposed changes that are not implemented.

35 Molenkamp says that we can do this best when Annema can be present. At the next meeting, in 2 weeks time we will discuss the Master OER and the ROMP OER.

Spreeuwers mentions that in paragraph 4.1.7 it is stated that grades must be round numbers from 1 to 10. He wonders why we still do this and what the advantages are.

40 Bruins says that she heard somewhere that they are going to change it.

## 6. Homologation courses Master Embedded Systems

45 There is room for homologation in the Master Embedded Systems therefore a few extra subjects from the technical universities in Eindhoven and Delft can be given in this Master. Each subject is 2.5 EC. So the subjects below are courses from Eindhoven and we need to look at their Osiris information and implement it in our Osiris.

- **Linear systems, signals and control**
- **Logic and Set Theory**

Doornkamp mentions that the description of this subject is the same as linear systems.

50 Molenkamp says that probably a copy paste error was made.

- **Self tuition topic**

Doornkamp mentions that from what he can see there is no final assignment for this course. Molenkamp says that is a course to do a project of your own choosing, you get 2,5 EC if you complete a project in line with this course.

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Overall there are still a few small mistakes or unclarities in the descriptions. Molenkamp will adjust the mistakes.

## 7. New course: Distributed Energy Management for Smart Grids

Currently there is a subject: efficient embedded systems, a compulsory course for HBO embedded system students. This subject will be replaced by the course Distributed Energy Management for Smart Grids. This course will discuss the same topics and skills as the old course only more focussed on smart-grids.

Spreeuwers says that the learning goals are vague and not really on topic. They could be formulated better so it is clear for both students and teachers. Almost half of the learning goals are focussed on academic skills.

Segerink asks if this course is very similar to academic research skills, if so students can just follow academic research skills.

Molenkamp agrees that in the learning goals there is a lot of focus on the academic skills. He will discuss this with Kokkeler and then it will come back in another meeting.

## 8. Course change: Quantitative Evaluation of Embedded Systems

Previously the subject was given with all the technical universities together, this brought along complications and problems. One of the biggest complaints were the video lectures.

Because of all the complaints it is decided that it is better for the students if the universities give this course separately. The learning goals or contents will not change.

Spreeuwers asks if this results in extra work for the teaching staff.

Kokkeler says that it will involve some extra work but in Twente we have the lowest number of students following this course so the workload will not become too high. Classes will not be bigger as 30 students.

## 9. Evaluation Module 4: Fields and Waves

Segerink says that we already saw the SEQ of module 4.

Van Zanten says that Annema his letter refers to the OKC evaluation not the SEQ.

Segerink says that this evaluation is very late, the module is about to start in a few weeks.

Molenkamp will contact Annema about the OKC evaluation of Fields and Waves

## 10. AOB

Segerink is worried about the problems at RAM, a lot of staff there is falling out which results in a high workload for the remaining staff. This problem should be solved before it becomes too big.

Molenkamp will contact Annema about the situation at RaM.

## 11. Questions

Bruins has a question for the OLC, Scintilla organises a lunchlecture to inform students about the OER, how it is composed and what that means for students. At this lunchlecture the students are given the possibility to provide feedback. She invites all the teachers to this lunchlecture.

The lunchlecture is on the 11<sup>th</sup> of April in Carre 3K.

Segerink says that Bruins could send an invitation to all the teachers.

Bruins will contact Annema for the invitations to teachers and students.

## 12. End of the meeting

The meeting is closed by the chairman at 15:01

## Action items

No	Description	From meeting	Responsible
105	Look if the MyDAQ is still useful as mandatory equipment for first year students. And if the University can buy the MyDAQ and lend it to students.	07-11-2017	OLD

112	Contact Remco Wiegerink to ask about the master tracks of SC and MSS and what the situation is.	06-02-2018	OLD
113	Contact Breedveld to talk about the evaluation of modeling and simulation and try to solve the problems in this evaluation.	06-03-2018	OLD
114	Contact Annema about the situation with the study advisors in the EE bachelor	03-04-2018	Chairman
115	Contact Annema to ask about the situation of module 8	03-04-2018	Chairman
116	Re evaluate the learning goals of Distributed Energy Management for Smart Grids	03-04-2018	Chairman
117	Contact Annema about the fields and waves evaluation	03-04-2018	Chairman
118	Contact Annema about the work pressure at RaM.	03-04-2018	Chairman

## Complete action items

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No	Description	From meeting	Responsible

## Points of attention

No	Description	For meeting	Responsible
02	Update OER 2018-2019 -	April 2018	OLD EE/EMSYS
06	February 2018: Ask teachers for major changes in their courses (for discussion in the OLC meetings; OER 2018)	May 2018	Key-user
07	Election new chair OLC	June 2018	OLC
08	Look into the relevance of philosophy of engineering in the master.	April 2018	OLC