

DATE

12 March 2019

OUR REFERENCE

EWI19/BOZ/8052/LvdP

Minutes 151st PC-AM (OLC-TW)-meeting Tuesday 15 January 2019, 15:45 hrs.

- 5 *present:* Hil Meijer (chairman), Walter Kern (replaces Bodo Manthey), Gjerrit Meinsma, Judith Timmer, Dieuwertje Alblas, Femke Boelens, Linda ten Klooster, Lotte Weedage, Jan Willem Polderman (PD, from 16:05 hrs.), Yael Veenstra-Konzizky (B-coordinator), Jan Schut (M-coordinator, until 16:52 hrs.), Justus Sleurink (educational officer Abacus) and Lennard van der Putten (writing minutes)
- 10 *absent with notice:* Bodo Manthey

1. Opening

- 15 The chairman opens the meeting at 15:47 hrs.
From this meeting on, Jan Schut attends the PC-AM meetings as he is the new M-coordinator. Manthey is absent today, since he is at a conference. He is being replaced by Kern.
The chairman remarks that the SEQ of module 7 is part of agenda item 10 (Evaluations), while this has already been discussed a few meetings ago. Probably this should have been the SEQ of module 5, but we have not yet received those.

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2. Minutes 150th meeting 20 November 2018

- *Textual corrections:*
p. 2, l. 77: Meinsma says that "from" needs to be changed to "to".
p. 4, l. 184: Timmer says that "market change" should be replaced by "Markov Chains".
25 p. 5, l. 236: "documented" should be replaced by "documented".
p. 7, action 317: "318" should be replaced by "316".
The minutes are approved with the above textual corrections.
- *In response to the points raised in the minutes:*
30 p. 3, l. 164: Alblas says it is mentioned that there is no conclusion on the discussion on Calculus 1A/1B for double students, while there should have been looked into that. The chairman says that the document was put on the table, but was then withdrawn. Therefore, the PC will see this document again and then make a final statement on it.
- *Actions:*
35 300: Timmer says that moving the collaboration classes to module 3 is not possible for this year. This will be considered for next year together with action 314. To be removed from the list.
305: The PD has spoken to the coordinator of module 8 and the suggestion was to use an online version of the book. Petri de Willigen did not agree with this, since the online source of the book is not an official website. The module coordinator said that more of the book is used than mentioned by the PC, therefore providing copies is not an option either. Since the conception of the students and the teacher is different, the PD will pass on the remarks to Lotte Gerards, who is in the evaluation panel, so she can bring it up as a point of discussion. Done, to be removed from the list.
40 313: Not done yet, action remains on the list.
314: Timmer is working on it. Action remains on the list.
315: Done, to be removed from the list.
45 316 and 317: The chairman has written the advice only last Friday, therefore it is not included in the documents. He has sent the advice to Alblas and Boelens and they have looked at it. Action 316 remains on the list, action 317 can be removed from the list.

3. Advices/correspondence

- 50 There are no remarks on the advices.

4. Announcements

- The M-coordinator announces he has to leave at 16:45 hrs.

55 Weedage went to the Mastermath evaluation and says that Mastermath would like to receive the minutes of the PC-AM if it concerns Mastermath.
Weedage announces that she is a student member of the accreditation committee of mathematics. She will go to Amsterdam and Eindhoven to have a look at their math programmes.
The chairman mentions that there is a PC-AM meeting scheduled on 23 April, which coincides with the NMC. This will be discussed at agenda item 11 (Any other business).

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5. Description Module 3 “Fields and Electromagnetism”

The chairman clarifies that this is the description for Osiris and consists of two parts: the learning goals and the module content.

- *Learning goals:*

65 Boelens says that the bullet items of learning goals 1, 2 and 3 textually do not match the text above (“the student will be able to”) and should be rephrased.

Electricity and Magnetism, bullet item 4: The chairman finds “efficient use” too vague. Alblas suggests to remove the word “efficient”.

70 Project, bullet items 2 and 3: The chairman mentions that these two items are the same. Alblas and Weedage say that these two items should be rephrased to make a better connection with the subject.

The PD hesitates to rephrase too much, since the module-coordinator worked hard on the description. The chairman replies that it is the task of the PC to give feedback, despite how much work it has been to write the description. The PD requests to make concrete suggestions for change and not be too abstract. The chairman answers that most suggested changes are textual, so that is fine. However, not all suggestions can be concrete in order to not put words in someone’s mouth.

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- *Content*

80 Weedage notices that the part on Presentation Skills is written differently from the rest. This does not need to be changed.

The chairman says that the Prooflab is not described. The PD says that the description of Prooflab is available, so this is easy to correct.

In the Analytic Programming part, “Mathematika” should be replaced by “Mathematica”.

85 Meinsma asks if Applied Physics also needs to be included in the participating programmes. The PD says that the description for AP is different from the one for AM, so AP does not need to be mentioned here.

Meinsma notices that the lectures are compulsory. The PD says that this is probably wrong.

The chairman notices that the grading also mentions something on history, although it is not specified how this is being taught to the students. Also it is not specified how the reflection is being taught. Boelens mentions that students should reflect on their own presentation and give relevant feedback to other presentations, but does not see how the students are expected to do this.

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Moreover, the grade of Presentation Skills is partly based on a reflection report. Timmer says that there will be some lectures on how to reflect and that the reflection report will be graded with pass/fail.

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The chairman says that in the previously proposed Osiris-description something was mentioned regarding the weights of the partial grades and on minimal grades for each part. Furthermore, it was mentioned that only the last grade counts, which conflicts with the TER. The PD clarifies that this has been removed, since the received document is copied from Osiris. Weedage adds that it was mentioned on the Canvas-page, not on Osiris. In the advice, the chairman will ask for the grading policy.

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The chairman will write a positive advice on the description of module 3 with the suggested changes incorporated in a satisfactory way, setting the deadline for the final description a few days before the module starts. **[action Chairman]**

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6. Changes in Module 7 “Discrete Structures and Efficient Algorithms”

The chairman says that there are few changes in the learning goals of module 7, only writing the report has been omitted. Weedage does not see what AM-students will do then, since previously TCS-students did the programming and AM-students wrote the report. The PD clarifies that dropping the report has been done due to the lack of capacity. Furthermore, the report was a wish from TCS rather than AM. The former situation was not desirable. Now there will be a new division

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of students, since the number of TCS-students increases significantly. Therefore the project group size will increase and it will be required that everybody contributes to the project. Perhaps the complete programming education should be looked into, since there might arise an unsustainable situation due to the student numbers getting out of balance. The PC wants to know how AM-

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students concretely participate, so this will be a specific point of attention in the advice. The chairman will write a positive advice on the changes in module 7, with the question how AM-students are expected to concretely participate since writing a report is omitted from the module. **[action Chairman]**

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7. Proposed changes in the mathematics of the specialisation Data Science

The chairman says it has been said that the Data Science course is very basic and almost non-mathematical. Meinsma suggests to make the Basic Machine Learning course obligatory instead of the Data Science course, since it is less basic. Weedage adds that in general the students agree with that, since Basic Machine Learning is a core course of the Data Science specialisation.

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The chairman says that three courses of the 3-out-of-6 courses involve machine learning. Timmer suggests to make an additional restriction to the 3-out-of-6 courses. The M-coordinator suggests to make one of the machine learning courses obligatory.

The chairman asks if it is a good idea to make a concrete list of suggested electives. The PD would not recommend that, since students already discuss their study plan with the chairholder.

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- *Description Statistical Learning*

Timmer says that the description is written very briefly and there are no learning goals mentioned.

The chairman clarifies that this is just a draft description, not the final description for Osiris. He says that these are all reasonable subjects for the course.

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The chairman will share the PC's comments on the proposed changes for the Data Science specialisation and the Statistical Learning course informally with Jasper Goseling. **[action Chairman]**

8. Description M-course "Spatial Statistics"

The description looks very good now. Weedage asks if the lectures should be obligatory. This question will be part of the advice.

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The chairman will write a positive advice on the course description of Spatial Statistics, including the above mentioned remark. **[action Chairman]**

9. EEMCS Quality improvement education 2018-2022 ('kwaliteitsafspraken')

The PD explains that this is the initial document, which is faculty-wide. The question to the student members in particular is if they recognise their own feedback in the document.

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Ten Klooster answers that many points of improvement are good, but she wonders why fewer lecture halls would be needed, while the number of students is increasing. The PD says that probably it is supposed to mean to have additional smaller lecture halls instead of fewer.

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Weedage asks if the phrase "regardless of background or origin" in theme 5 is really needed. The PD answers that student guidance can be different for students with different backgrounds.

10. Evaluations

- *Module 7 2017-2018 SEQ:*

This SEQ has already been discussed in a previous meeting.

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- *Module 1 2018-2019 panel discussion 2:*

There are no remarks on this panel discussion.

- *Module 1 2018-2019 SEQ:*

There are no remarks on this SEQ.

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- *Module 5 2018-2019 panel discussion 2:*

There are no remarks on this panel discussion.

- *Module 6 2018-2019 panel discussion 1:*

This panel discussion is quite brief, but the content is fine.

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11. Any other business

As already mentioned, the PC-AM meeting scheduled on 23 April coincides with the NMC, therefore it is wise to reschedule this meeting. The PD says that the approval of the TER is

170 expected in this period. However, the central guideline for the TER will be changed drastically. Without this guideline, we can do very little. The board of the UT has been asked to have the guideline approved by the University Council in March. However, it is expected that this will be delayed. If the new TER cannot be approved in time, the old TER remains valid. The suggestion is to reschedule the meeting to 7 May.
The chairman will try to reschedule the PC-AM meeting of 23 April to 7 May. **[action Chairman]**

175 **12. Questions**
There are no questions.

180 **13. Closure**
The meeting closes at 17:16 hrs.

Actions

Nr	Description	Meeting	Responsible
313	Check for the missing conclusion on the exam of PDE, that Van der Putten was going to check about (written in 149th minutes on p.1 line 26/27)	20/11/2018	Chairman
314	Think about a correct position and good motivation for the collaboration line, including the intercultural communicator in module 3	20/11/2018	Timmer/PD
316	Write an advice about the Python part in the project in module 8 for the teacher, who has to do something with the fact that he does not know Python and the code is not commented	20/11/2018	Chairman
318	Write a positive advice on the description of module 3 with the suggested changes incorporated in a satisfactory way, setting the deadline for the final description a few days before the module starts	15/1/2019	Chairman
319	Share the PC's comments on the proposed changes of the Data Science specialisation with Jasper Goseling	15/1/2019	Chairman
320	Write a positive recommendation on the course description of Spatial Statistics, with the question if lectures should be obligatory	15/1/2019	Chairman
321	Write a positive advice on the changes in module 7, with the question how AM-students are concretely expected to participate since writing a report is omitted from the module	15/1/2019	Chairman
322	Try to reschedule the PC-AM meeting from 23 April to 7 May	15/1/2019	Chairman

Advices and correspondence

Nr	Description

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Points of attention

Nr	Description