

Minutes 178th PC-AM-meeting
Tuesday 20 September 2022
15:45 – 17:45 hr. Ravelijn 3411

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Present: H.G.E. Meijer(chairman), A.A. Stoorvogel(PD), J.B. Timmer(B-coordinator), J.P. Boon, K. Proksch, S.J. Geerts, L.S. Lanting, N. Luijten, F. Schuller, B. Manthey, J. Schut(M-coordinator), E. van der Veer, N.F. Berg (Abacus)

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1. Opening

The chairman opens the meeting at 15.46.

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2. Minutes 177th meeting 22 June 2022

The following corrections were suggested and adopted.

Page 2 Line 47 – Analysis 3 was *presented* instead of *listed*
Line 49 – *detailed* comments instead of *details*

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Page 3 Line 95 - the chairman adds that two lectures in the *new* Differential Equations course
Line 97 – to treat separation of *variables*

Page 4 Line 138/139 – change to current tense, proposes, summarizes
With these changes the minutes are accepted.

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Action points:

- 436 – *Remains on the list*
- 444 – *Remains on the list*

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The chairman noticed that it has not been done before summer. Is it clear for teachers what they should do?

The PD says that there is a lot of frustration amongst the teaching staff. Courses are completely scheduled online without consent from the teachers. The PD says that for the mathematics programme, there has been a lot of discussion with the teachers of modules 1, 2, 5 and 6 about what can and cannot be done on campus. So, he thinks that within the mathematics programme, it is clear how to handle this. The problem, however, is that teachers want to have something on campus but there might not be a room available.

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The chairman asks if it is clear in the module teams how to deal with the 20% rule, since not every teacher has been included in this discussion. The teachers have to hand in a schedule, but they receive no guidance from the programme on how to do that regarding the 20% rule. The PD says that the problem is that every programme interprets the rule differently. Even for the programme directors, it is a complete struggle.

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Geerts asks if the rule is even still necessary since all corona-related measures are lifted. It is, since it is a capacity problem, not a corona-related problem.

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Manthey adds that some confusing emails have been sent regarding the 20% rule.

The chairman says that knowing what the programme management thinks about

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the 20% rule is important. It needs to be communicated to the teachers, else the teachers are really stuck.

50 The PD says that lectures are the only way of teaching that could be considered doing online. Especially master students seem to think that videos are okay as a form of education.

The chairman says that it is important to communicate what the preferable approach is for the management team.

55 As a side note, the PD found out that the canvas page that exists to communicate with all AM teachers is incomplete. This will be updated before sending the announcement.

- 445 – *Remains on the list*
- 446 – *Can be removed from the list*

60 A message regarding overlapping has been sent to the relevant staff members.

3. Announcements

65 The B-coordinator states that this year, there are 49 enrolments, including 16 double degrees, of which 10 with CS, and 6 with Physics. There are also six students repeating from last year. Geerts asks if this is lower than last year. The B-coordinator says that indeed the number is lower. Boon thinks that there are fewer enrolments since students are waiting for next year when the student loans are reinstated.

70 The B-coordinator says that there will be a minor change in the organisation of the panel meetings for the bachelor. There used to be two meetings, one in the middle of the module, and one after the module. The second panel will change to include all students participating in the module and the teachers. The idea is that the students will first under guidance organise their remarks. Then the lecturers will join, and the students can clarify what they mean, and the lecturers can explain their methods. From this meeting, 75 a document will be created. The lecturers may still give comments on this document before it is sent out. Lecturers felt that the module comments were not helpful, and also no real discussion was possible. With this new plan, these issues are hopefully solved. Lanting asks if the PC will still get the report from the first meeting. Yes, it will be sent to the PC.

80 The B-coordinator says that the UTseq (UT Student Evaluation Questionnaire) of Module 8 was never sent out by the university. The persons responsible asked whether they should send it now (read, begin September), but it was decided against since the expected number of replies would be low. Geerts asks if it is valuable to get the report 85 from the IEM students. The PC does not think so since their view on the courses and the project is very different. The panel meeting report will still follow.

Mastermath has an evaluation on October 14. Geerts and Lanting will discuss who will attend.

90 The PD asks if the student evaluations of Mastermath have been received already. Yes, they have. The chairman selected those courses for this meeting's documents which were followed by UT-students. He also added one taught by the AM-UT staff.

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95 The chairman says that he would prefer to step down as chair of the PC from January and become a general member.

4. Advices / correspondence

- *Mail from Apeldoorn – Cultural Evening*

100 No comments.

- *Mail from Rensink – Quality Agreement initiatives decided*

105 The chairman asks the students if they are happy with this computing cluster. Geerts says he missed something in B12. It was initially phrased to be only for AM students, but now not anymore. Lanting thinks that it is due to the student council since students from EE also wanted this.

110 The PD says that there is a university-wide initiative to have computer power available for all students. Currently, there are two units, and two more will come. The PD had a discussion with Rensink about how many GPU and CPU these units should have. The chairman says that it depends on the master track of a student how much they would need. The PD says that the units should be ordered this year due to budget reasons. The chairman suggests that Abacus and the student members of the PC become involved in this since it is bought for the students.

115 Lanting says that she is fine with the general statement. However, it would be nice if there is some way to guarantee that there are facilities available for mathematics students.

120 The PD says that it would be perfectly okay if Abacus contacts him. Berg mentions that Gooseling is already working on it together with Niels Apeldoorn. Due to the continued illness of Gooseling, either Richard Boucherie or Mathias Walter will pick this up.

- *Mail from PD – updated B-EER and M-EER for 2022-2023*

125 Bachelor part A; Article 3.3, Point 5, page 9. There is a mistake in the table, it should be n.5.

Page 16, Point 4, second line. It should be *him/her/them* instead of *them*.

130 Lanting has a general remark about the master EER. She thinks that since the chairs are no longer mentioned in the EER, the website should be updated. She thinks it is impossible to find the correct information on the website. The PD says that he is aware of the problem.

135 Lanting says that one must figure out their master programme before starting the new year. That is hard if the master EER is not published before summer. The M-coordinator says that he could not publish it before summer. First, the schedule is very tight. It is not that the programme does not want to publish the EER, but it first has to be approved by the PC and then the faculty council. This whole procedure takes a lot of time. Now the most recent M-EER is on the website.

140 The chairman adds that if you see outdated information, there is a feature on the UT website such that you can send feedback. The feedback should end up with the person responsible.

The chairman asks if there will be a new course proposal for the course Introduction to Partial Differential Equations. The PD reacts with a yes.

145 The chairman asks if there is a concrete plan for Modeling and Programming 3 in quartile 4. The PD responds that it has his attention. He and the B-coordinator decided to call together the people involved in Q4.

150 The chairman asks if there is a plan to evaluate the success of the new curriculum in terms of the original aims.

The PD responds that there are weekly tutor meetings, and although some students find it intimidating, the teachers get much better feedback. The chairman says that the question he posed was different, namely if there exists a plan to evaluate the new curriculum after one year or after the current freshmen finish. The PD says that the weekly meetings are some sort of evaluation. The chairman says that he had hoped to hear a plan regarding the evaluation of student appreciation and the number of students that continue to year two. The PD says that the dropout of last year was terrible. However, it is hard to compare last year to this year since last year was very much affected by corona. Students see that there is a lot of effort going into the new curriculum.

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Action Point: PD

Create a course proposal for Introduction to PDE and Capita Selecta.

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- Mail from PD – updated version of new bachelor curriculum
- Advice B-EER part B 2022-2023
- Advice M-EER part B 2022-2023
- Advice B-EER final version 2022-2023 and the curriculum
- Training courses academic year 2022-2023

170 The PC encourages the new members to do this training.

5. Evaluation reports bachelor courses

- Signals and Uncertainty

175 Geerts says that he was missing the teacher's reaction. Lanting says that the teacher grading S&T was very busy and overworked, which caused the grading to be delayed. The chairman asks the B-coordinator and the PD whether in the schedule they consider sufficient time for grading the exams. This is also a relevant comment for this year, due to the placing of S&T in the new curriculum. The PD responds that it has always been tightly scheduled in module 4. As a teacher, you have to schedule a day to do the corrections. In the new curriculum, many of the resits are done a quartile later. There are multiple reasons; for one it solves the correction time issue; and secondly, it gives the students that failed the subject more time to master it.

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185 **Action point:** PD and B- coordinator

Check with the module team of module 3 if they have thought about how to schedule the exams of S&T with sufficient time for grading exams.

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- *Module 11 Team reflection*

190 No comments

6. Evaluation reports master courses 2021-2022 2A and 2B

- *Graph Theory*

195 - *Introduction to Mathematical Analysis*

- *Mathematical Optimization*

No comments

- *Mixed Integer Optimization*

200 The chairman asks if there were two people present for the oral examinations. Manthey responds that he by accident stumbled into the office during an oral examination and there were two staff members and one student.

- *Robust Control*

- *Stochastic Models in Operations Management*

- *Complex Function Theory*

205 No comments

- *Deep Learning for Medical Image Analysis*

The chairman says that it is a new course and it is considered to be good.

- *Pioneers of Applied Mathematics*

- *Reinforcement Learning*

210 No comments

- *Spatial Statistics*

The chairman says that he would be in favour to record some lectures.

- *Time Series Analysis*

The chairman says that there was a thoughtful reflection.

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220 Proksch has a general remark. The number of responses is often very low. If $n=3$, can we even conclude anything from it? The chairman says that you can also see how active a teacher promotes an evaluation. The PD adds that it is a big issue in this university that these evaluations are badly used. Especially in the bachelor, AM is forced to follow the pattern of questions enforced by the university. Geerts has an idea to make the evaluations more valuable. Since currently the master evaluation lunches are organised by Abacus, only the active Abacus members attend. Can't the programme organise these lunches so that a more diverse group will attend?

225 The chairman has a different idea. He proposes that every student should fill out the evaluation after the exam before they may leave the examination room. Geerts says that he thinks that conversations are much more valuable than filling out surveys. Lanting suggests personalizing the surveys for each course since the questions are often not applicable to the course. The chairman says that the master evaluations are very different from the UT surveys. He wonders if it would be better if the teachers are approached to have more proactive behaviour regarding the surveys. The PD agrees that the questions posed in the surveys (also for the bachelor) are very general. More to-the-point questions would be a lot better, and it would also become a much quicker thing to fill in for the students.

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The chairman says that generally feedback is done with the use of tips, tops, and

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240 suggestions. Lanting responds that she once had a course where the students weekly had to fill in tips and tops of that week, and whether they had further feedback. The M-coordinator says that in the past, there was a panel with two students that once in every two weeks talked to the teacher with the comments from the students.

245 The chairman says that the problem lies with the fact that there are so few responses from written evaluations. The M-coordinator agrees, but he says that internally, AM can organise evaluations differently so that they have more meaning.

The PD adds that valuable questions are often not answered in the written surveys from the university.

250 The chairman ends the discussion. There have been many thoughts and ideas shared that the PD and M-coordinator can use.

7. Master Evaluation lunches

- Minutes MEL 10 May 2022

- Minutes MEL 5 July 2022

255 - Evaluation Scientific Computing

The chairman misses the reaction from the teacher of Scientific Computing. There are a lot of complaints from the students, but the teacher does not reply to those complaints. Lanting says that all students have a grade, but they have not received any feedback on their grades. The students have no clue how the grades have been determined.

260 Throughout the summer, students emailed the teacher to ask for feedback, but she did not reply. The chairman says that every student is entitled to feedback on their grade.

Action point: PD

265 For the course Scientific Computing, get feedback on the comments of the master lunch evaluation, and check how the grading was done. Is there any feedback regarding the grade motivation for the student available?

270 Lanting says that she thinks that two semester courses at the same time is overwhelming for the teacher. The teacher created too much work for herself, causing many great ideas to end up in nothing. For Scientific Computing, the two parts are completely disconnected.

275 Schuller asks if the CBL approach was dropped. Lanting says that the CBL approach was an interesting idea, however, it was not implemented in the right way. Students struggled to come up with the right way to use this system. The chairman says that her plan was not CBL. He encountered her and they talked about her plans. She wanted to give the students an opportunity to bring their own ideas in how to prove their master learning goals. What she ended up doing, was too much.

280 The PD agrees that it is not CBL that the teacher is using. By the end of 2022, there should be a very clear description of the plans for the course. Geerts would like to see this new plan. Lanting adds that the second teacher involved in the course should support the main teacher, and that didn't happen either. The chairman says that a reflection on what happened should be the starting point of the new plan.

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8. Mastermath

- Minutes OC meeting 8 November 2021 (final)

- Minutes OC meeting 13 May 2022 (draft)

No comments

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9. PC_AM_Annual_Report_21_22_Draft

The chairman copied the outline from last year.

The comments and suggestions from the PC are:

- The use of names (first and last names, initials) is inconsistent.

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- At the end of section 4, change “endorsed” to “not discussed with”.

- 3.1 point 172, change to “there is a problem guaranteeing the learning goals by the students”

- EER instead of TER

With these changes the annual report is finalized.

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10. AOB / Questions before closing the meeting

Proksch asks whether the meetings of the PC could be hybrid.

The PD says that people tend to stay home quicker if the meeting is hybrid. The

chairman says that it is always fine to find a replacement if you are unable to come. The

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PD comments that if the meeting is physical, make sure there is no meeting link sent automatically by Microsoft teams, since that suggests a hybrid or online meeting.

Action Point: Chairman

Discuss with Mirande van der Kooij whether the PC meetings could be done hybrid.

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11. Closure

The chairman closes the meeting at 17.05.

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Next meeting: 15 November 2022

Nr	Description	Meeting	Responsible
436	Talk with the lecturer of Statistics regarding his way of teaching.	03/04/2022	PD
444	Inform the teachers regarding the details and coordination of this 20% rule.	07/06/2022	PD
445	Spend some time with the teachers of MIO to polish the learning goals.	07/06/2022	Chairman
447	Create a course proposal for Introduction to PDE and Capita Selecta.	20/09/2022	PD
448	Check with the module team of module 3 if they have thought about how to schedule the exams of S&T with sufficient time for grading exams.	20/09/2022	PD and B-coordinator
449	For the course Scientific Computing, get feedback on the comments of the master lunch evaluation, and check how the grading was done.	20/09/2022	PD

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	Is there any feedback regarding the grade motivation for the student available?		
450	Discuss with Mirande van der Kooij whether the PC meetings could be done hybrid.	20/09/2022	Chairman