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FACULTY OF ELECTRICAL ENGINEERING, MATHEMATICS AND COMPUTER SCIENCE

DRAFT MINUTES BIT-OC MEETING

Date: Thursday February 27, 2020
Location: RA 1247
Time: 12:40-14:00

Present: Thomas Hogema (acting chairman), Niels de Groot (minutes secretary), Marloes van Grinsven (programme coordinator MSc), Joyce van Baaren (programme coordinator BSc), Jos van Hillegersberg (13:12), Marten van Sinderen, Adina Aldea (12:55), Nikki Zandbergen, Bernard Verheijen, Laurence Arnold (via video connection)

Absent: Luís Ferreira Pires (chairman), Maria Iacob (programme director), Danique Lummen (education Inter-*Actief*)

1. Opening and Agenda

Thomas opens the meeting at 12:50.

2. Announcements

a. Attendees & chairman
Laurence is joining by video connection and due to Luís' absence Thomas will chair the meeting.

b. New master curriculum
Marloes says options in quartile one were discussed and they are also still in discussion about offering Basic Machine Learning twice, though that is mostly the responsibility of the coordinating programme. Furthermore, there is a proposal to include Information Services instead of Multi-Agent Systems in the core. This would not mean Multi-Agent Systems disappears, it will still be an elective. Enterprise Security and Enterprise Architecture switched quartiles since the teacher has a filled up agenda and is not available in the earlier proposed quartile one. This should not cause problems for students. Marten asks if Smart Industry now takes place in quartile four, Marloes confirms this is the case.

These are all minor changes for now, but these will of course be discussed again when we discuss the EER.

c. Double degree Munster
There are some small changes since last meeting. We discussed the supervision earlier and we have discussed with Münster about giving a label to students' projects with respect to Business or IT cases, as to make sure the appropriate 50/50 division is still maintained, according to Marloes. It has been checked again if AMC would be too advanced for students of this programme, but we would like to keep this in the programme so that we differentiate a bit from our normal DSB specialization. We believe that students who have done Basic Machine Learning should also be able to handle the Advanced course.

Marten comments on the courses; in the left column there is a course called Empirical and Design Science and in the right column it says Design Science Methodology. Marloes says those are the same course, but something must have gone wrong in the update. Thomas says it says 2019 in the Münster one, which should probably be 2020 as the programme starts in 2020. Marloes will update these errors. Laurence asks when the course is supposed to start. According to Marloes, the preference is September 2020, however, since the UT board still has to officially accept it, this might be delayed.

3. Minutes and Action Points

- **Minutes 28-01-2020**

Page 1: EER is used, Marten asks whether it shouldn't be TER. According to Marloes, the UT has recently decided to use EER (Education and Examination Regulations) as translation of OER from now on.
Page 2: REST should be RESTS (last S stands for Society).
Page 3: Abhishta is the correct spelling. Furthermore,the BSA does still include three Math components in addition to the usual 45EC. In the first paragraph an action point is mentioned for Maria to discuss with Arend Rensink, but this is not listed as AP.
AP   Maria will contact Arend Rensink concerning the division of module parts for module 6.

- **78: Student assistant pool:**

Bernard and Laurence have been working on it and are able to publish the first version of the form with the descriptions of the modules. What is still up for discussion is where to publish this, but it should be online within the next couple weeks.

- **108: BIT not being able to follow Math teaching minor:**

Joyce is working on it, no further progress at this point.

- **114: Send the ROMP-OER for TOM2.0:**

The document has not been received yet.

- **116: Change meetings to Thursdays:**

Done.

- **117: Discuss Ethics in module 3:**

Adina says this will probably not be possible. The action point is concluded.

- **118: Alternative options for the AML course in the Münster Double degree:**

Marloes is still working on this.

4. Bachelor evaluations quartile 2

Thomas says there is a general remark from Luís: not all grades were known yet and he would like to see split results for Software Systems and Intelligent Interaction Design so we can only look at the BIT students. Joyce says she is arranging the split results and we will discuss when Luís is back next meeting.

Intelligent Interaction Design
The evaluation of Intelligent Interaction Design was better than last year, but the grade remains insufficient. Randy has commented that he wants to include more AI and is focussing on more options for question hours. Furthermore, the

SPSS homework assignment is evaluated negatively, as students do not see the added value. Solutions are in the works.

A summary of the comments by Nikki: students like that they can choose their own project and apply their knowledge appropriately. The AI Snake challenge was fun and interesting. Students thought the organization was better than last years, but improvement is still needed, since there are also quite a lot of negative comments, for example, poor communication, missing prerequisite knowledge of programming for AI, not enough coherency between module parts and a too difficult cyber security assignment were mentioned. A large problem with the cyber security assigned was also that it was lifted over the holidays, so students had to work on it during Christmas break, while teachers were not reachable by email.

Software Systems
Luís will give a more detailed view of Software Systems as soon as he is back and has all the grades. Joyce says the problem of BIT students being less prepared for this module is still apparent. Nikki is unsure whether more introduction to programming (Java) in module 1 is a correct solution. In the end, module 2 is also a selection module to see which students are fit for the programme. Marten adds that if we want to do this selection, module 2 is the correct place to do this.

A summary of the comments by Nikki: learning Java in depth is great, students like the sign-off sessions as these make you do the work, students like the structure given, the practice-oriented approach and the module reader is well-appreciated. On the other hand, students with experience disliked the strict structure given. There were also problems concerning the protocol competition, as the explanation was apparently unclear. The project game was thought of as too hard and suggestions came in to let students choose their own game (however, this is logistically almost impossible). Lastly, an overall comment that comes up very often is the pace of the module which is too high and makes things unnecessarily difficult.

Further discussion about Software Systems will take place as soon as Luís has returned.

Web Science
There were BIT students taking part in the course, however, none have participated in the survey or panel evaluation. Overall, the rating of the module is very good, so there is not a lot of discussion necessary.

5. Master course evaluations quartile 2

E-Commerce
Laurence says the only noticeable thing in the SEQ is the score for 'Teaching activities challenged me to study', as it is lower than all the others. Adina is also trying to think of a reason, and can only come up with the fact that the teachers might not all have been as related to the project as they had hoped for, but she hasn't looked at the open comments yet. Laurence says the comments state that the literature was outdated, which is an important point to him. Adina is unsure what they are talking about, since the papers she knows about are quite up-to-date. Thomas adds one more comment about the digital testing that worked inefficiently as the open book documents that could be used could not be opened simultaneously with the test. Once you opened the documents the test screen was deactivated, meaning one could not read the questions while reviewing the literature. Niels adds that the OEC, the committee that does the panel evaluations, is planning to organize a dedicated Remindo Digital Testing evaluation. This is being planned, but the committee is still looking into who is responsible for the Remindo platform and who they can thus invite to the evaluation panel.

Business Process Integration Lab
Laurence comments the average score is good, nothing to add to that. Thomas does want to add that the grading of the

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Hackathon that took place was questionable. Jos explains that the hackathon was hard to grade, as the jury members had a lot of variance in their opinions. At first, the teaching staff tried to diversify in the grades but since Jos could not justify the difference between a 7 and an 8 he decided to keep it at an 8 for everybody. He is not completely happy with that, but he doesn't know a good solution at this time either. It is proposed to make it a pass/fail grade, which Jos will take into account for next editions. Another minor remark from Thomas was that the use of geo-data did not seem to relate to the project that was done. The situation could be improved by having a more interesting implementation to work with Linked Data. Jos says this would be hard in this specific instance.

Enterprise Architecture
Adina says she noticed there were comments about there being a lot of papers. She asks whether there would be improvements possible by replacing some of them by more practical solutions such as a case-study. Thomas has followed the course and says this would indeed be helpful. The problem with the literature is that it is quite theoretical, so a case study or something could improve it. Another comment that Adina saw, which she already expected, was about the tool that is used for models. The tool is nice, but is still under development. Due to this, the tool might not be used again next year. According to Adina, they had technical problems with corrupt files. Other feedback concerning the tool is that it doesn't feel very academic, since it feels like just clicking around trying stuff. If the tool is improved a lot, Adina would really like to use it again. Marten comments he had wanted to use the tool as well, and asks Adina to let him know about the progress of it.

Cybersecurity Management (4TU)
No BIT students filled in the SEQ, but Marloes thinks only a few might have joined. The score is good, but there are improvement points. Some problems simply arise from the logistics of having a joined course with other universities.

6. Expected changes in the Bachelor and Master programmes (EER)

Marloes says nothing has been sent yet. The documents for the Bachelor have only been approved very recently.

For the Master BIT all the content-specific changes will have to be implemented, but otherwise things will mostly stay the same. On a faculty level, for the Bachelor and Master, there is a new grading system which has some consequences for grade rounding. The Bachelor and Master TER should always be as similar as possible, but some differences may, of course occur (for example, about time available for grading). Furthermore, the composition of the Assessment Committee will change slightly and there will be a new article concerning final projects and internships, and cum laude rules. Other changes concern wording and the clarity. This topic will, as stated in the year cycle, be discussed in detail during next meeting.

For the Bachelor there are no major changes that have not been discussed earlier, however, TOM 2.0 will of course be included in the new EER.

7. New master course

The course description for Enterprise Security was not received before this meeting, so this point will be moved to next meeting. The proposal for Smart Industry was received. Marten explains that the idea was to have two weeks of theoretical lectures with a test after four weeks. Starting in the third week we'll have parallel tracks on topics related to Smart Industry. Laurence asks if the part about Fraunhofer could be explained. Fraunhofer is a research institute in Germany, but they also have a location on campus.

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Marloes is wondering if there are any pre-requisites, since they are not listed here. Marten says those were not discussed so far. Adina wonders if there are no general concepts that should be known before. Marten says that will become apparent when they work out certain tracks.

8. AOB

Adina talked to student assistants and they said that the Data Science course limits the choice of BIT students concerning topics. There are seven topics available, of which two should be chosen. For BIT, however, the choice is limited to Data Processing and Visualisation (DPV), Data Mining (DM) and Process Mining (PM). However, if you do the Bachelor at this university, you will already have done a lot with that. Marloes asks if this rule was communicated by Christin, since Christin has earlier said that the situation would be different. The situation is quite unclear, which is why Adina wanted to address here. Marloes will try to clarify with Christin.

AP   Marloes will discuss with Christin to open up all seven topics for BIT students for the Data Science Master.

9. Closure

Thomas closes the meeting at 14:02.

The next BIT-OC meeting will take place through BlueJeans on April 2nd.

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10. Action Points list

The finalised actions points are in the style 'strikethrough'. Since multiple action points were found in duplicate in the minutes, two action points are merged to one action point list for clarity.

Nr.	Date	Subject	Leader	Status/deadline
78.	2018-08-28	Ask Wessel and/or Adam about help with getting to the BIT students for the student assistant job pool through Inter-*Actief*	Bernard, Laurence	Ongoing
108.	2019-09-24	Ask for the reasoning behind BIT not being allowed to follow a Math teaching minor.	Maria	Ongoing.
114.	2019-12-03	Send the ROMP-OER for TOM 2.0 to the BITOC.	Maria	Ongoing.
116.	~~2020-01-28~~	~~Mail Mirande to reschedule BITOC meetings to Thursday.~~	~~Maria~~	~~Done.~~
117.	~~2020-01-28~~	~~Talk to Adina about Ethics in module~~	~~Maria~~	~~Done.~~
118.	2020-01-28	Take a look at alternative options for the AML course in the double degree with Münster.	Marloes	Ongoing.
119.	2020-02-27	Contact Arend Rensink concerning the division of module parts for module 6.	Maria	New action point.

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120.	2020-02-27	Discuss with Christin to open up all topics for BIT students for the Data Science Master.	Marloes	New action point.