

MINUTES BIT-OC MEETING

Date: Tuesday June 25th, 2019
Location: Ravelijn 3411
Time: 12:40 – 14:00

Present: Luís Ferreira Pires (chairman), Niels de Groot (minutes), Maria Iacob (programme director), Marloes van Grinsven (programme coordinator MSc), Jan van Helvert? (programme coordinator BSc), Jos van Hillegersberg, Marten van Sinderen, Adina Aldea, Christian Versloot, Nikki Zandbergen, Wessel Ammerlaan (education *Inter-Actief*), Danique Lummen (candidate board *Inter-Actief*)

Absent: Laurence Arnold, Bernard Verheijen

1. Opening and Agenda

Luís opens the meeting at 12:44.

2. Announcements

a. New faces

Danique will be the Officer of Educational Affairs of *Inter-Actief* for the academic year 2019-2020. Danique will take over from Wessel, starting September, and this is thus Wessel's last meeting.

Jan is now study advisor but will temporarily take over the tasks of Joyce as programme coordinator for BIT starting September.

b. Internationalization

There are a couple of developments with respect to double degrees. Luis has done a lot of work to set up a double degree with the University of Indonesia and a partnership with Munster is also in the works. Furthermore, St Petersburg has shown interest. Luis asks if there is already something on paper that we could take a look at. Maria says there is only some correspondence. Luis states that it would be better to discuss this when plans are more concrete.

c. Redesign Master

After processing the results of the workshop that took place a while ago, a concept is now done. As was already known, there are plans to include a Data Science course in the core, as well as a new course in Enterprise Security. For these courses, Maria already has some teachers in mind and a meeting is planned during the summer to discuss the course contents. Maria is of the opinion that there should be six courses in each specialization, of which students have to choose four. The reason for this is so that one can see which courses are of interest to students and which are kind of naturally eliminated.

Maria presents some slides concerning the new plans, which she will also send to the BITOC. There are two specializations, 'IT Management & Enterprise Architecture' and 'Data Science & Business'. In both, a new course is 'Smart Industry', for which Maria already has some ideas who could teach it. She also added IITO to 'IT Management & Enterprise Architecture', since it was very well-evaluated. E-Strategy will be improved significantly over the next year and, if the evaluation is good, it will stay. Otherwise, it will be dropped and will become an elective. Furthermore, she added Basic Machine Learning to 'Data Science & Business'. She is still looking into the end goals and whether these

are integrated well enough within the proposed specializations. Maria says that this is a first concept and would like general feedback on the proposal.

Jos comments that he wonders whether it wouldn't be a better idea to improve the core instead of completely redesigning the curriculum based on the evaluations. Maria comments that she is trying to do exactly that. She has had meetings with several teachers and is happy with their plans. For E-Strategy, there are some positive updates to be given. Robin Effing will teach half of the course from now on, and he will also be the examiner as he has a UTQ. He will also deal with the structure of the course and communication with the students. Maria thinks this is a serious attempt to redesign, and would like to set this up for 1st of September 2020.

Jos says that it might also be a suggestion to focus on giving students the option to choose for consulting, government, finance, etc., instead of industry. Maria says that she feels these are options within Smart Industry (e.g. Smart Finance) but sees no real possibility for such a large differentiation in topics. Maria ends by saying this is the current status of the project and she hopes to receive useful feedback from the BITOC.

AP Maria will send the slides concerning the redesign of the Master to the BITOC.

d. TEM2.0

Maria would like some advice concerning our viewpoint on TEM2.0. Other programmes have different views, some want to stay as close to TEM1.0 as possible, some really want to change all the way. Luis says there is a point on the agenda to discuss TEM2.0.

e. Annual report 2017-2018

Luis found that writing a report for the previous year was not a worthwhile task, as he would mostly be copying pieces of text from the minutes of that year. He has now sent the minutes of 2017-2018 to Cynthia and asked her to copy relevant pieces if she wants to. Luis feels it would be better to start with the annual report of 2018-2019 as soon as possible.

f. Last meeting Christian

This is Christians last meeting. There is some progress in finding a replacement, as the other student members will have talks with candidates coming week. In September, there should be a new student member.

g. PDEng

Our PDEng programme is finally approved. The plans were sent in two years ago, but we are now allowed to provide this programme. It can continue as long as there are a minimum of five people who follow this programme each year.

3. Minutes and Action Points

- **Minutes 28-05-2019**

Page 2: At the corrections for page 5, Christians name is written in the same way twice, though it should have one wrong spelling (Christiaan) and one right spelling (Christian).

Page 4: Point 6 was about the evaluation of Master courses, the heading is incorrect. It also states the overview will be sent to the BITOC, it can be added that this is for approval, as that is the right of the BITOC.

Page 5: Item 7 can be fully removed from the minutes.

- **78: Student assistant pool:**

No updates.

- **94: Teacher programming parts of M1:**

Luis asks Maria for an update. The programming part consisted of four programming weeks, which she plans to keep the same, though functional programming will be skipped. Algorithms, Networking & OS and Java will be kept. Starting July 1st, Joke van Staalduinen will work at the UT and she will be in charge of the programming parts of module 1. Maria would like to decrease the number of tests in module 1, as students are running from deadline to deadline. Due to illness, Hans Heerkens is not able to teach his course in module 1, which will thus be taken over by Martijn Koot, a PhD student who has helped Hans for years. Furthermore, there are no significant changes at this time. Maria hopes to be able to develop a new module 1 project, but that will be for 2020-2021. Action point DONE.

- **97. Send template annual report:**

Luis has already found the template. Action point cancelled.

- **98. Change the year cycle document:**

Done.

- **99. Add quality agreements money to year cycle:**

Luis doesn't want to do it, as he is unsure whether this is going to be a yearly thing. Luis proposes to react upon it when asked for our opinion.

- **100. Formulate positive advice Bachelor TER:**

Done.

4. Updated BITOC year cycle

Luis says he has updated the document and asks if there are comments. Marloes comments that it still says semester evaluations for the Master courses, even though we now evaluate on a course level. It can thus be added to December, as the Master course evaluations are a little bit later than the Bachelor evaluations.

AP Luis will add Master course evaluations to December in the year cycle.

13:17 - *Jos leaves the meeting.*

5. Evaluation of Master courses (moved from last meeting)

Maria says we stopped halfway last meeting. The evaluations of 'ICT Management', 'Design Science Methodology' and 'Enterprise Architecture' were already discussed.

Business Process Integration Lab

'Business Process Integration Lab' received a lot of criticism. A lot of comments stated that the learning goals were not clear or not clearly communicated. Luis says that this holds for more courses, and more information about learning goals should be communicated to students who follow a certain course. Maria her observation is that the grades are not amazing, but the criticism is very constructive. She thinks it is worth doing something to improve the course based on the comments students have given.

Christian comments that the course might be experienced as chaotic, but the course contents are great. What could be improved is by teaching some more advanced Mendix, as the basics are already included in module 3. The business aspects of the module were, in Christian's opinion, a great selling point.

Students generally think that the concept of linked data (which was also included in the course now) is not worth their time because they do not see the benefits until they leave their studies. Because of this, Christian doesn't think a lot can be improved as this really is a mindset problem. A guest lecture is suggested, but others feel the current teacher is already an authority in this field.

Maria states that from all evaluations with serious issues, a proper improvement plan should be sent. Marloes says one was already sent in. They will focus on improvement of guest speakers, Canvas and the fact that, for some students, the course is not in-depth enough. They are aware of the problem and are trying to solve it.

Cybersecurity Management

A survey for Cybersecurity Management had no answers from BIT students. Luis questions whether no BIT students followed this course or if none filled it in. It is highly probable that no BIT students followed the course, so it is decided not to look into it too deeply. Christian states a lot of feedback is not about the contents, after which Luis says that that is probably quite a good thing. For this course, too, Luis states the learning goals should be more clear.

Design Science Methodology

Design Science Methodology received quite some criticism. Marten is aware of it, most complaints were about feedback being late or inconsistent. Apparently, students experienced different answers coming from different teachers and TAs. Luis feels like students were, in general, happy with the course.

Foundation of Computer Systems

Received good feedback, little to no problems.

Electronic Commerce

This year, some new lectures were introduced and the project was improved a lot so students actually have to make something that works., which Adina thinks has helped in increasing the score this course received from students.

Multi Agent Systems

Same as for Foundations of Computer Systems; little to no problems experienced and a high score was attained.

E-Strategizing

Course will be revised, so no need to discuss it right now.

Implementation of IT in Organizations

Received positive feedback, no need to discuss.

ICT Management

The course received very negative feedback. The course has widespread organizational difficulties, the contents, however, are very relevant for the BIT student in general. Christian comments that when he participated the exam started 45 minutes late, as information about the exam was lacking. He feels that, if the organization is improved, students will automatically evaluate the course more positively.

Maria says she also heard criticism about the lecturers saying that lecturers were boring or childish at times. Christian believes that is also a matter of personal preference. Some students like classical teaching and simple explanations, others think that is annoying. Maria also says that once you have a reputation for a bad course, this sticks over the years, so that could also be a factor in the ongoing negative feedback. Maria has a meeting with the teacher and with Jos and there are plans to improve this module. Luis comments the BITOC would really like to see a written improvement plan.

6. WSV money (quality agreements)

Due to changes in the financing of education in The Netherlands, every year so-called 'quality agreements' money or 'WSV-gelden' is available to improve education. The BITOC was asked about their opinion on where to spend this money.

Luis asks the students for their opinion, as this is mostly their business. Wessel says that *Inter-Actief* has sent out a survey to their members to ask for input, from which eventually a concrete document should be created with improvement points. It is really hard to choose which ideas are actually possible within the timeline. Luis asks whether it would be possible to delegate this to *Inter-Actief* and whether student members think this is okay. Nikki says that they, as four student members, can impossibly represent all students. Thus, asking *Inter-Actief* would be wise, though, as Wessel mentions, *Inter-Actief* of course also does not represent *all* students.

Luis explains that there are five areas or categories where the money can be spent. Almost every improvement can be classified within these areas. He asks the student members to form an opinion on behalf of the BITOC based on the ideas of students that are sent in through *Inter-Actief*.

Wessel would like to add that the money we get increases every year, so some ideas will not be doable now but could be possible at a later time, which is why past ideas should be saved for potential execution later on.

AP The student members will, in cooperation with *Inter-Actief*, set up a list of ideas for the WSV money and communicate this list to the BITOC.

7. TEM 2.0

Luis went to a meeting where the project leader presented their vision on TEM 2.0. A framework has been created to make a lot more possible, including, as was already mentioned in earlier meetings, educational units as small as 0.5EC. According to Luis, from the viewpoint of a module coordinator, there are many chances for improving modules through TEM2.0. He states he would like to split programming and design in module 2, as programming is used in a lot of fields and he would like to be able to offer just that course to students, without the rest of the module.

Maria adds another advantage, which is to get rid of the administration of grades. Currently, teachers have to keep an administration of grades of students over several years, which can stop under TEM 2.0. The new possibilities may also have the disadvantage that students will exercise strategic behaviour, according to Luis. Maria says there are ways to prevent this, by, for example, including a part of a module in the BSA or by making it a pre-requisite for a later module. Luis disagrees and says he thinks this will make the rules more strict, as now failing programming only in module 2 does not immediately mean a student fails their BSA. Luis thinks this means that you have to be very careful with setting these new rules. Maria agrees, but also says that

currently three Math courses need to be passed, which she deems strict as well. As programme, we decided what we think is important for the programme.

Luis says there are several discussions here, namely 'what are the units and what can a student reuse in the next year' and 'what should be the requirements for a BSA'. To answer these, you should go back to the introduction of the BSA, which was in order to test whether a student has good chances of progressing in the programme and finishing it in time. For any changes that you make, Luis thinks they should be in line with this thought.

Maria says that there are very different opinions among programmes. Some want to keep it like it is, which means only Math and the rest of the module are split up and thus large module chunks remain. However, other programmes want to split up many parts of the module to decrease administration work, in which case many compensation rules should be removed, but the organization will be a lot more clean.

Maria says she is quite stuck on the decision for our vision on TEM2.0 and thus likes to discuss this topic. Next to existing problems, some of which are named above, there is also a problem in our cooperation with a lot of other study programmes. There are rules that specify that students who follow the same module should be treated the same, which means we have to negotiate with other programmes. Maria would like to know if she is backed by students and staff in these negotiations.

Nikki is afraid that if programming is part of the BSA, a lot of students will fail the full programme even though they are not necessarily beneath the acceptable level. Christian says that, on the other hand, there is no use in calling your study IT when you do not have to pass the IT part to pass your study. Not putting it in the BSA will, according to Christian, also make for students making strategic choices and dropping programming as soon as it gets harder. Maria adds that this strategy is hard, if not impossible, to prevent in the new model (without putting programming in the BSA). Marloes comments that she recalls that, in the past, students who wanted to do module 4 but did not finish module 2 were checked to see if they had gotten up to the fifth week.

Maria says that her opinion at this time is that, if a module is clearly separated, it should be cut into different parts. This is the case in, for example, module 3, and according to some, including Luis, in module 2 as well. Luis explains that in module 2, there is a clear separation, which can also be seen in the module guide. This warrants a split. Maria adds that her definition of integration is that several courses can not be done without the other. It seems like consensus is reached and the BITOC agrees that this definition can be used. This means many of the BIT modules, but definitely not all, can be split up in some way.

The BITOC comes to the consensus that for module 1, 3, 4, 5 and 7, a clear division (or lack thereof) can be seen. For modules 2, 6 and 8, further discussion is necessary. This discussion has to take place next meeting, as there is a deadline concerning the TEM 2.0 division at the end of September.

8. AOB

There is no any other business to discuss.

9. Closure

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DATE

AUGUST 2, 2019

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The agenda points 'Feedback BITOC student members' and 'Proposal meeting schedule next academic year' that were not discussed during this meeting will be moved to a future meeting.



Luis closes the meeting at 14:03.

The next BIT-OC meeting is to be scheduled.

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
94.	2019-04-30	Look for a teacher for the programming parts of M1	Maria	Done.
97.	2019-04-30	Send the template for the annual report of the BIT-OC to Luis	Maria	Cancelled.
98.	2019-05-28	Change the year cycle document so it starts in September.	Luis	Done.
99.	2019-05-28	Add quality agreements money to the year cycle.	Luis	Cancelled.
100.	2019-05-28	Formulate a positive advice concerning the Bachelor TER and send it.	Luis	Done.
101.	2019-06-25	Send the slides concerning the redesign of the Master to the BITOC.	Maria	New action point.



102.	2019-06-25	Add Master course evaluations to December in the year cycle.	Luis	New action point.
103.	2019-06-25	Set up a list of ideas for the WSV money in cooperation with Inter-Actief and communicate this list to the BITOC.	Student members	New action point.