

UNIVERSITY OF TWENTE.

5

Date: 19-06-2019

Present:

Chairman:

Dr.ir. H.J.M. Geijselaers

PC-members:

B.R. van Eijk, F. Krekt, M.H. Riaz, H. Steenstra, I.T. van der Veen,
N. van der Werf, dr.ir. M.B. de Rooij, dr. M. Shahi, dr.ir. E.T.A. van der
Weide

10

Permanent guests:

S. Buse, drs. E.M. Gommer, A.F. Heutink, dr. G.G.M. Stoffels

Evaluation committee

-

Minute maker:

T.D. van der Molen

Guests

dr.ir. P.C. Roos, Prof.Dr.Ing. B. Rosic

15

These minutes describe two meetings, one on the 12th of June 2019 the other on the 19th of 2019. During the first meeting not all matter regarding the EER were discussed so a second meeting was held. These minutes are one document since these meetings have the same agenda.

20

1. Opening

The chairman opens the meeting at 08.49.

25

2. Update UT-VU

P. Roos has a presentation about the UT-VU.

They are mostly polishing the curriculum now, TIME is added as a new course. The examination board has approved the assessment plans. At the end of august there will be a meeting with all sem-1 staff for UT-VU. Emma op den Kamp will be the new bachelor coordinator from the VU.

30

There are also flex working spaces and guest accounts being arranged for the UT teachers at the VU.

Some minor structure changes are made in the third year regarding the order of courses. Also some courses have a slightly different name than their UT counterpart. There is also a project in module 6 which is not in UT/VU. Research skills is a slightly smaller topic.

35

P. Roos asks if there should be a discussion about a different pass/fail regulation. The consensus is that the same rule as at the UT should apply, so a single 5.0 per year.

40

Asked how continuous assessment is going to be filled out, P. Roos says that they are still working on it but that there will be a test at the end of the semester. If you fail this test there should be a reasonable way to pass it. The continuous assessment is being worked out via a design committee with both teachers and students.

45

It is hard to say how many students are expected, since there are a lot of international people, but they expect around 70.

Do these semester changes mean there is no programming anymore in the VU bachelor?

50

B. Geijselaers says that there is programming in other courses, and that overall there is more programming in the VU bachelor than in the UT bachelor.

P. Roos concludes his presentation with the statement that his main concern is being one team with two universities. He says it is tight but should be alright.

55

(P. Roos leaves the meeting at 09:04)

60

3. New master courses

- 65 B. Rosic presents two new master courses to the PC.

Machine learning in engineering (2A)

This course will mostly focus on the practical application of machine learning. The theory and exercises will be focused on engineering applications

70

Uncertainty quantification and model reduction (2B)

This course focusses on finding errors in machine learning models and quantifying that error to deal with this. The examples include deep learning and other practises with a use in engineering.

- 75 Currently there is a course called 'Basic machine learning' from the master Computer Science, but this focusses mostly on image processing. 'Advanced machine learning' is another course from Computer Science but this has mostly human and social examples. Applied Mathematics has a course on deep learning, but this deals mostly with financial models.

- 80 Are other courses also going in the direction of these new ones? B. Rosic replies that most courses focus on different things like image processing, since the use of machine learning in engineering is still a topic of research .

- 85 Asked if the knowledge could also be used for other things than mechanics, B. Rosic replies that the examples will be broad, and will include multiple engineering disciplines.

These course can for now be put under MS3, but in the future there might need to be some place for elective courses for every track in the Master.

- 90 The course description does not mention exams. B. Rosic explains that there will be assignments and an oral exam.

The conclusion is that both courses would be valuable additions to the programme.

- 95 The replacement for the courses A. de Boer is teaching is mostly covered, except for the aircraft engineering part.

B. Rosic leaves at 09:20

100 **4. Minutes last meeting & Minutes Faculty Council**

There are no remarks about the minutes.

Action points

41: remains; is a regular item

- 105 102: Remains, will be put on the agenda for next time

103: Remains

104: Remains, N. van der Vaet will organise this

105: Done

107: Done

- 110 108: Done

109: Done

110: Done

111: Remains

112: Remains. Idea to only do module level evaluation, is important. Should be on next meeting

- 115 113: Remains.

5. Announcements

MSc renewal

- 120 L. Gommer says that not a lot has changed since the last update. In September there will be a big meeting with all the course managers.

ModPro redesign

125 Work is being done on the redesign by Jos.

Enrolment VU and UT bachelors for the coming year

For the VU, 70 students are expected but it is hard to predict due to the amount of international students.

130 For the UT, it is also hard to predict. High school exams are due today which will give more certainty. The curve is similar to last year (last year there were 240 students.)

Temporary location workshop and new building

135 L. Gommer says that they are planning for a two stage facility. Things are going well and people are involved. She mentions that she is worried about the temporary facilities. The temporary workshop will be there on the 1st of September, but then everything still needs to be installed. As a backup plan, some practicals in module 1 could be skipped.

Arrangement teaching assistants next year

140 Because people are so busy a pool of TA's is being setup. This way teachers don't have to look for teaching assistants but the programme can do that for them.

Does this mean teachers shouldn't hire TA's themselves? L. Gommer replies that they are looking into this, but that it is more meant as an optional pool not a mandatory one.

145 **6. Education**

EER BSc ME

NOTE: due to discrepancies in page numbers in different documents, numbering is done in the order as read by the chairman.

150 The bachelor EER has already been discussed, however there is a programme specific part on the sharepoint called the studentcharter. Only the changes to the programme specific part are discussed.

155 Page 25: B. Geijselaers says that point 7 can be put under point 3.

G.Stoffels explains that in September 2020 the university will get rid of the 15 EC rule. All courses will count separately for EC's which is why she put the EC's in the table.

160 In the new system the EC's will be given at course level, so we decided to start this already in 2019.

The BSA is still 45 EC.

G. Stoffels mentions that in Osiris this will not work yet, so EC's need to be tracked manually.

L. Gommer notes that this might cause problems with the immigration authorities, since they need to check student progress. The UT is talking to them about this.

165

Page 28

This is only for the first year of the bachelor, because it is only an issue for next year.

Page 29, Section H

170 B. Geijselaers mentions that it says that a student can do an internship in the bachelor if they don't do a masters degree after the bachelor. He says that this rule should also be incorporated in the master EER.

175 A discussion about the internships follows. The conclusion is that: Section H will be removed except for the internship possibility in the bachelor. In the master EER there should be rules to link this.

Page 30, Section J

180 G. Stoffels explains that you can do your bachelor thesis before your minor, but not the bachelor exam which is just getting the diploma.

B. Geijselaers asks if this means that students don't have to do module 11.

- After a discussion it is decided to change the sentence to:
- 185 “Module 12 (graduation): At the start of module 12, modules 1-8 have to be completed with a sufficient grade. In addition to this rule:”
- 190 Are the rules about module 8 being followed and why aren't students allowed to try and do module 8 to save them a year of time? This is because students who failed 'Dynamics' and 'System analysis' are usually not good enough to pass the project of module 8.
- B. Geijselaers mentions that this is the only place a “mini-conference” is mentioned.
G. Stoffels says she will change this to “end of august”
- 195 Page 31, Section Q, Subsection h
M. de Rooij says that students are reimbursed for travel and overnight stays. He asks how this will work for the VU students. L. Gommer will discuss this with the relevant people.
- 200 What is a “reasonable distance to bike”?
A discussion follows between the Dutch and international members of the PC about how far one should be able to bike and during which weather conditions. Many helpful suggestions for carrying multiple people on bicycles are put forth, but no standard unit of distance for a reasonable bike ride is agreed upon.
- 205 *The first meeting is stopped at section K at 10:31. The minutes of the meeting of June 19th 2019 follow here:*
- Section Q, Subsection h
- 210 After a quick discussion it is decided to remove this part of the EER.
- H. Riaz (absent this meeting) has sent an email about some reasons why the rules regarding module 8 need to be changed. G. Stoffels looked into how many people are affected by the admission requirements for module 8. There are some students who failed only one of the courses, but passed all the other course so far. Students who fail both courses tend to also do badly in other modules. Her suggestion is to change the rules so that a student can fail one of the two courses.
- 215 A discussion follows about the regulations for module 8.
- 220 The conclusion is that to be able to enter the project of module 8 a student has to have passed either 'Dynamics 1' or 'System analysis'
- Another suggestion was that example questions have to be example tests. The student members argue that example tests give a better overview of what to expect and how it is being tested. The teaching members of the PC say that they don't want to do this because students won't learn the subject. It is decided that example questions are fine.
- 225 The examination board regulations and guidelines are discussed.
G. Stoffels mentions that K. van Zuilekom is doing a senior qualification examination. He wants to have a critical look at the programme specific regulations. She and him will have a meeting to support shortening the regulations.
- 230 Rule 5, Section 3
After a short discussion it is decided to leave out the last part about “alongside each question”
- 235 Rule 8
B. Geijselaers notes that this whole part about fraud is redundant. L. Gommer says that we should discuss this with the examination board
- 240 Rule 10
Things were changed to accommodate for the no 15 EC rule. E. van der Weide asks if we want to keep grades indefinitely, indefinitely is a long time. G. Stoffels explains that this is to avoid legal problems.

245

EER MSc ME

Article 2.3, 3

250 B. Geijselaers proposes to move this part about the internships to the section about internships. Since it is about admitting people to the pre-master, the conclusion is to keep it as it is.

Article 4.6

A. Heutink added this section (also to the bachelor EER) because teachers asked for this.

255 Article 4.7

HBO students are not allowed to do an internship in the master if they have already done one. Also students have to register in mobility online.

Article 4.8, 1

260 The result for oral exams has to be within one week, but in the bachelor EER it has to be within one day. It is decided to keep this the way it is.

Article 5.1.2, 4

265 This is added after a request, to make sure people actually take responsibility and assess master assignments in a timely fashion.

A discussion follows about how to implement this. The conclusion is to change "Graduation committee" to "chairman".

Article 5.1.2 (should be 5.1.3), 3

270 There is a problem that people from tenure track are not allowed to be this person. But, as part of the tenure track, teachers have to do examinations, but are not allowed. It is noted that this is probably a UT rule. After a discussion about who should be allowed on the graduation committee, it is concluded to change this to "academic staff (excluding Phd. Students)".

275 Article 7.7

It is agreed to add to register information / details regarding secrecy and confidentiality in advance to avoid problems with this.

280 Will we stop dividing integers as grades? There will be a university wide rule that the UT will give half grades, including graduations, for all official grades from 2020 on.

7. Any other business

Quartile 3 courses still have to be discussed, this will be done next year.

285 G. Stoffels notes that it would be good to have a separate EER meeting next year, to avoid having a meeting take too long.

8. Closure

The chairman closes the meeting at 10:23

290

<i>Action points</i>				
	Action: (Agenda point)	Introduced on:	To be completed on:	To be completed by:
41	Ask for FR minutes from FC	08-06-2016		BOZ
1	Let the evaluation committee discuss the course evaluations (in response to PC-377)	01-11-2001		
102	Write proposal regarding splitting the bachelor and master PC	27-02-2019		B. Geijselaers
103	Talk to the teacher about Manufacturing facility design	03-04-2019		L. Gommer
104	Organize event / get together to familiarize people with the BOO staff	03-04-2019		L. Gommer
111	Add agenda topic 'delays in master due to internship' when annex is finished	08-05-2019		BOZ
112	Talk to J. Kemna and A. Knijnenburg about their plan for the evaluations	08-05-2019		G. Stoffels & F. Krekt
113	Look into pass rates for Dynamics 2	08-05-2019		L. Gommer