

UNIVERSITY OF TWENTE.

MECHANICAL ENGINEERING (ME/VU)

Agenda for the meeting of the Programme Committee ME/VU

Date : Wednesday January 10, 2024

Time : 10:45 – 12:30 hour

Room : HR Z109

Present: M. de Rooij, L. Gommer, M. Rijkeboer, J. Schilder, M. van Donkersgoed, N. Wiering, G. Stoffels, E. Hekman, M.I. Abdul Rasheed, H. Askes, S. Yang, C. de Geuß, B. Gooijer-Hoebe (Online), V. Schenkelaars, M. ter Horst, I. van der Veen, T. Wassenberg, S. Thiede, T. Khan.

1. Opening + Introduction

The meeting was opened at 10:48

2. Announcements

- Tox sent Matthijn an email about a course 'professionalisation of program committee'. If people are interested, they can join it. Lisa mentioned that it is helpful for students if they join it together.
- Marije introduced Veerle as the upcoming Officer of Educational Affairs of W.S.G. Isaac Newton.
- Matthijn asked if he could be sent Veerle's email so she can be added to the Teams. **AP Veerle/Marije**

3. Minutes November 22, 2023

- In Agenda point 2 it was not clear which Mark was referred to.
- Mohammed and Taha were not mentioned in the attendees.

Action Points

1. Has not been done.
2. Has not been done.
3. This is done.
4. For now, there are enough companies. Should some leave, Newton will be contacted.
5. Buddy check is not used; however, an alternative is. Those results will be used to determine to what extent freeriding is a problem.

4. Specialization Smart Sustainable Industry (SSI) Sebastian Thiede

- After last PC meeting about SSI alterations were made and Sebastian presented these changes:

Core Courses Update:

Energy Conversion Technologies, Digital Twin for Smart Industry and System Identification with Parameter Estimation and Machine Learning, were added after the PC meeting.

Elective Update

Energy System Integration, Business Models for Sustainable Energy, and Stochastic Models in Production Logistics were added after the last PC meeting.

- Lisa mentioned that the balance of the number of courses over the quartile could be better. To which Jurnan replied that it could be helpful to check with current master students that could be interested with this track and ask them what kind of course list they would compile with the current course list and see if they have any trouble.

- Sebastian agreed and said the course Digital Twin for Smart Industry or Frontiers can be switched to 1B.
- Lisa showed concerns about to what extend is the sustainable part of the miracle matrix is going to overlap with SET. Sebastian explained that in SSI for example Sustainability in Manufacturing will be more about the demand side, which is so far not in SET.
- Lisa asked how Electrical Power Engineering fits in the course. Sebastian mentioned that it gives students a bit more chance to get a background on the subject.
- Following a question from Harm asking if SSI the best name for the programme and discussion ensued. This resulted in Sebastian explaining that since Smart Industry is a common concept in the Netherlands, and that there is a need to address sustainability.
- Lisa mentioned that Adeliën is back so a course list can be made, and students can subscribe to courses. **AP Lisa**
- To do this Sebastian should first send the final course overview. He will do this before Monday 15-01-2023. **AP Sebastian**

Since there were no objections, the PC approved of the Master Specialization Smart Sustainable Industry with the aforementioned changes, at 11:39.

- Matthijn has to send the letter to Lisa that the PC approves of SSI. **AP Matthijn**

5. Progress students (Genie)

Results first Binding recommendation:

Advise	2024	2023	Δ
Positive	45%	32%	+13%
Neutral	23%	16%	+7%
Negative	28%	45%	-17%
Stopped	5%	8%	-3%
15 EC in module 1 ¹	25%	?	?

- Genie explained that the effect of the Matching was also examined. There were three people that got a negative advise. Of those three, two stopped already and one got a negative advise. From those who received a positive matching advise, 50% got positive Binding Recommendation. Of those who received a neutral matching advise only 25% got a positive Binding Recommendation. Thus, so far, the matching seems to be working out.
- Since the Binding Recommendation criteria have changed, only 2023 and 2024 could be examined.
- Marije asked if it would be a possibility to use the new criteria to generate an 'updated' Binding Recommendation of previous years, so more extensive research could be done. Genie thought this was a good idea and will investigate this with Olaf. **AP Genie**

6. Lisa updates on

a) Visitation Mechanical Engineering

- Lisa explained that the coming visitation will be this fall. Ilse will be there as a teaching assistant. A meeting will be set up between Lisa, Ilse, and Chantal to explain what needs to be done.
- A SWAT analysis will be organized. There, a group of teachers from different departments will assess the Bachelor curriculum. There will be a similar session for the Master Curriculum and the PC.
- Student members will not be present at the PC SWOT meeting because there is different session for students. They will receive help with writing the student chapter. The student members are to invite other students for this session. The group should be diverse (year of study, nationality, gender, etc.).
- Lisa explained that the visitation will be in October or the beginning of November. Meaning that the documentation should be finished ideally before the summer break. The students will be contacted somewhere in February by Pieter. Ilse will be the contact person for Pieter.

b) student chapter

- See bullet point **6a**.

¹ Before the resits

7. AI tools: UT regulations: [https://www.utwente.nl/en/examination-board/Fraud/Generative AI information/](https://www.utwente.nl/en/examination-board/Fraud/Generative_AI_information/)

- Matthijn asked, if the PC wanted to make their own AI policy, since the University already has one. To which the PC agreed that the University policy should be followed.
- It was noted however that not all students and staff are aware of this policy and that they should be better informed. Therefore, Genie will contact the study advisors and ask them to put the AI Policy in the Rules and Regulations and communicate this to the students. **AP Genie**

8. Brainstorm Student involvement, community, and fun stuff

- The PC discussed how the programme could increase the student involvement and do 'fun stuff' such as the trip to Slagharen. The following came up:
 - Make the project kick-off and closing more festive.
 - Give students the opportunity to choose their project out of a few preselected projects, like how it is done MOD05.
 - Include the DesignLab and other workshops more in the curriculum.
- However due to time constraints the discussion was stopped and will be continued in a next meeting. **AP Matthijn**

9. Any other business

- Marije mentioned that she received an email for Ureka saying that they made a group chat where one or two people from each PC can join to discuss issues. Mark mentioned he joined the group already.

10. Closure

The meeting was closed at 12:28

	Action: (Agenda point)	Introduced on:	To be completed by:
1	Ask Simone to upload the minutes on the UT PC- website	29/03	Matthijn
2	Plan meeting with chairmen PC ME/SET/IDE/CE	13/09	Matthijn
3	Send Veerle's email address to Matthijn	10/01	Veerle/Marije
4	Send the letter to Lisa that the PC approves of SSI	10/01	Matthijn
5	Make the course list of SSI together with Adeliën.	10/01	Lisa
6	Send the finalized course overview to Lisa.	10/01	Sebastian
7	Use the Binding Recommendation criteria from now to create new recommendations for last year's together with Olaf	10/01	Genie
8	Contact the study advisors and ask them to put the AI Policy in the Rules and Regulations and communicate this to the students	10/01	Genie
9	Continue the brainstorm Student involvement, community, and fun stuff in a next meeting	10/01	Matthijn