

**Minutes of meeting (2024-05) in the Study Board of
Build, Energy, Electronics and Mechanics in Esbjerg
27.05.2024**

Present:

Matthias Mandø (MMA) (Chair), Daniel Ortiz Arroya (DOA) (until 14.00 hrs), Ulisse Valeriani, Jeppe Akash Bundsgaard Sørensen, Anette Larsen (ALL) (secretary)

Absent:

Mads Pagh Nielsen (MPN), Rokas Sukauskis, Visnu Ritesh Vijayakumaar Palanisamy (observer)

Copy:

Sara Lindberg Hildebrandt, Britta M. Jensen, Anne Linde Poulsen, Pia Vestergaard Jensen, Christian Winther Dissing, Mads Pagh Nielsen, Tamas Kerekes, Gitte Hageman Christensen, Head of department, Rikke Steensbæk.

Minute taker: ALL

Agenda

1. Approval of agenda
2. Approval of minutes of meetings 04.04.2024 and 08.05.2024
3. Follow up after meeting 04.04.2024 and semester evaluation meeting 08.05.2024 (meeting 01.05.2024 was cancelled)
4. General announcements
5. Minutes of semester group meetings
6. Exam plans for your approval
7. Study programme revisions
8. Guide for online teaching
9. Length of group exams
10. Overall evaluation of study (MMA meeting with 10th semester students)
11. Report regarding artificial intelligence, exams and project work
12. List of delayed students (offers of talk and special help initiatives)
13. [Teacher of the year](#)
14. AOB
15. Credit transfer and exemptions (confidential)

Minutes

1. Approval of agenda

Agenda approved without comments.

2. Approval of minutes of meetings 04.04.2024 and 08.05.2024

Minutes approved without comments.

3. Follow up after meeting 04.04.2024 and semester evaluation meeting 08.05.2024 (meeting 01.05.2024 was cancelled)

Meeting 04.04.2024

Quality assurance meeting 17.01.2024 (Energy and AIE)

- Registration of study start drop-outs to be investigated by MMA. There may be a problem with registration of the master's students who do not show up.

Study Board of Build, Energy, Electronics and Mechanics in Esbjerg

MMA has not yet followed up. This is only relevant for 1 September.

- Job database of study jobs in cooperation with Education Esbjerg. MMA will talk to Martin in Education Esbjerg about possibilities.

Comments:

- These items are still on MMA's to-do-list. First item postponed until study start.
- Second item, MMA has commenced a dialogue with Education Esbjerg. Item to be removed from agenda until there are news.

Evaluation meeting 08.05.2024

MMA has followed-up on all action points. Items will be removed from agenda.

- Rearranging of the course in energy systems and electro-physics. MMA will talk to study secretary Anne.
- About the lack of coordination on 3 semester. MMA will give a talk about proper way to do Project exams next section meeting.
- Kontinuummekanik is being removed from curriculum in the future.
- MMA will inform coordinators about funds for project work next section meeting. MMA issues slides for coordinators where the information on funding is mentioned
- Knowledge of study curricula. MMA will ask supervisors to make sure they read and follow the descriptions in the study curricula at the exams.

4. General announcements

- Meeting in the advisory board (aftagerpanel) for BE in Civil Engineering and Mechanical Engineering (Diplomingeniør i Byggeri & anlæg samt Maskinteknik):
 - Interest in continuing education with focus on wood and new building materials
 - Both Matlab and Python are desired
 - Danish language is used in companies for building construction
 - Very negative towards the proposed 5 semester theme (energy facilities) and courses (statistics and reliability).
 - Strong desire for more wood construction, even though I explicitly said we do not have teachers for this. Similarly, ASKR is already doing wood buildings on lower semesters. (also see slide about new proposal for curriculum)
 - Talk about E1-education and student job database – plans for revised webpage
 - Talk about desire to use AI-tools for “auto translation” of drawings.

Comments:

- MMA: We understand that our advisory board are asking for courses in wood. ASKR will put together lectures, however we have difficulties finding teachers for the BE in Civil Engineering. It is a university decision that we keep Civil Engineering in Esbjerg.
- Unique modules are bad for our economy; joint courses are much better!

(general announcements continued):

- DRU (13-05-2024) (the Prodean's advisory committee)
 - Discussion of AI initiatives
 - No requirements on learning goals
 - PBL-ProLab → workshop in generative AI
 - Discussion on student wellbeing
 - Lots of activities for students but we are not reaching the ones that are not feeling well; the ones that do not have a surplus of mental resources.

- The Prodean asks whether we should introduce screening of dyslexia (ordblindhed)? Student: yes, good idea, but not all will want to do it.

Comments:

- Jeppe: SDU is doing it.
- JEL: Students see it as positive because they get more time and paid literature. We will send email to our study leader and Prodean (Mads, Olav) that we are positive. We believe it should be non-mandatory.

(general announcements continued):

- Started dialogue with Aida (PBL) (see also follow-up above) has suggested meeting with coordinators.
- Learning day for students and teachers. This was for teachers primarily, theme was AI. The timing was not good – as it was just before handing in of projects.
- Applied Lasse Rosendahl (head of department) for upgrade of 3D-print facilities (see SGM minutes).

5. Minutes of semester group meetings

AIE2

Nothing.

BA2

Nothing.

EN2

Nothing.

MT2

Nothing. They are worried about teacher being ill. Emergency plans have been made. He has returned, and will be ready for exams, says Jeppe.

BA4

Nothing.

MA4

- A bit unclear wording of the description of assignment. ASKR will take action.

AIE4

- Mechanics. We are in a dialogue with teacher, and long term there will be another solution with a local teacher.
- Comment about “Project and subjects should mix more. In the first semesters the focus should be more about fundamentals and understanding of the subjects and in the latter semester more time allocated on the project work. More orientation of how to make the project.”
MMA will investigate: More orientation of how to make the project.
- Comment about 3D. Students have been told we have applied to head of department.

APEL2

- Internship, confusing regulations. It is uncertain what exactly is requested. Please also note that there is a lot of information on our website. MMA will make slide with link to information about stay in external organisation for coordinators. No further action.

AIE6

Nothing.

OES2

- MMA has talked to teacher about lab exercises.
- Timetable and lecture scheduling. MMA believes there is an issue with CalMoodle. Will investigate.

PECT2

Nothing.

Debugging / mail

- There has been a dialogue about debugging in connection with handling in of project. Teacher will answer questions but will not debug students' code.
- MMA proposed that teacher arranges a Q&A session, so student know that they can contact teacher there and teacher does not answer the same question several times.

6. Exam plans for your approval

We expected a draft of hand-in dates for next year. ALL will supply this for next meeting.

Exam plans accepted.

7. Study programme revisions

We have done a lot of work with the study programmes – let us know if you think anything is wrong. Today we go through new proposals and changes for BE in Civil Engineering, MSc in Sustainable Energy Engineering. For the next meeting there will also be a few other, minor changes.



Draft: Project og courses –Diplomingeniør i Byggeri og anlæg (start 2025)

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Semester	Projekttema (15 ECTS)	Kursus 1 (5 ECTS)	Kursus 2 (5 ECTS)	Kursus 3 (5 ECTS)
1	Gr. bygningskonstruktion	Calculus	Gr. Konstruktionsmetodik	Problembaseret læring
2	Projektering af etagebyggerier	Linear Algebra	Gr. Statik og styrkelære	Gr. Mekanik og termodynamik
	Projektering af brokonstruktioner			
3	Design af bærende konstruktioner	Geoteknik og fundering	Videregående Statik og styrkelære	Stålkonstruktioner
4	Projektering af betonkonstruktioner	Bygningsmaterialer, betontechnologi og -konstruktion	Last og sikkerhed	Spændbeton, elementbyggeri og interimskonstruktioner
5	Projektering af trækonstruktioner	Numeriske metoder og Anvendt FEM	Trækonstruktioner	Termodynamik, varmetransmission og strømningelære
6			Dynamik	Materialelære og materialevalg
6-7	Diplomingeniørpraktik			
7	Bachelorprojekt			

Changes for current curriculum

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	Present	Proposal		
1. semester	Grundlæggende bygningskonstruktion Problembaseret læring Calculus Grundlæggende konstruktionsmetodik	Grundlæggende bygningskonstruktion Problembaseret læring Calculus Grundlæggende konstruktionsmetodik	Samlæst Esbjerg Samlæst Esbjerg Samlæst med Maskinteknik	IASPBL AAU MATH AAU ENERGY
2. semester	Valgruppe: Projektering af bygningskonstruktioner - brokonstruktioner/etagebyggeri Grundlæggende mekanik og termodynamik Lineær algebra Grundlæggende statik og styrkelære	Etagebyggeri/Brokonstruktion Grundlæggende mekanik og termodynamik Lineær algebra Grundlæggende statik og styrkelære	Samlæst Esbjerg Samlæst Esbjerg Samlæst med Maskinteknik	AAU ENERGY AAU MATH AAU ENERGY
3. semester	Design af bærende strukturer Geoteknik og fundering Videregående statik og styrkelære Stålkonstruktioner	Design af bærende konstruktioner Geoteknik og fundering Videregående statik og styrkelære Stålkonstruktioner	Unikt for Esbjerg Samlæst med Maskinteknik Samlæst med Maskinteknik	AAU ENERGY AAU ENERGY AAU ENERGY
4. semester	Bæredygtigt byggeri (20ects) Bygningsmaterialer, betonteologi og -konstruktion Materialeleære og materialevalg	Projektering af betonkonstruktioner Bygningsmaterialer, betonteologi og -konstruktion Last og sikkerhed Spændbeton, elementbyggeri og interimskonstruktioner	Unikt for Esbjerg Unikt for Esbjerg Samlæst Aalborg	AAU ENERGY AAU ENERGY AAU BUILD
5. semester	Projektering af betonkonstruktioner Dynamik Kontinuummeknik, rumbjælker og stabilitet Termodynamik, varmetransmission og strømningslære	Projektering af trækonstruktioner Numeriske metoder & Anvendt FEM Termodynamik, varmetransmission og strømningslære Trækonstruktioner Workshops i økonomi	Samlæst Esbjerg Samlæst Esbjerg Unikt for Esbjerg Samlæst Esbjerg	AAU ENERGY AAU ENERGY AAU ENERGY
6. semester	B.Sc afgangprojekt (20ects) Last og sikkerhed Projektledelse og økonomi	B.Sc afgangprojekt (20ects) Dynamik Materialeleære og materialevalg	Samlæst med Maskinteknik Samlæst med Maskinteknik	AAU ENERGY AAU BIO

MMA comments:

- There are updates for SEE, there is some spillover to other curricula and also changes to a course.
- New specialisation policy – we can have “or” instead of specialisations.
- About CES: MMA has asked about feedback at the semester group meetings and got a lot of feedback which is reflected in the proposed changes:
- Specialization policy
 - Same project description for 3rd +4th semester on FPS and OES
- Paper, poster, CES
 - Removed CES from 1 and 3 semester. Now mandatory for 2nd semester.
 - Moved learning goals on scientific writing from 1st to 2nd semester
 - Moved learning goal on entrepreneurship from 2nd to 3rd semester
 - Introduced mandatory PBL process chapter on 1st semester
 - CES and poster NOT mandatory for 4th semester
 - Paper is max 10 pages plus appendices according to §19 AKA no project summary report
 - Detailed scription of CES and paper contents on Semester room
- §19 – formula for max pages is moved in curriculum

It is expected that students can be convinced to participate, even though this is not mandatory. JEL – had minor comments to the document which he mailed to MMA

All changes are approved by the study board, inclusive changes to paragraph 19 in the Sustainable Energy Engineering, APEL and bachelor study programmes alike.

8. Guide for online teaching

MMA has prepared a guide for online teaching to be placed with other guides and to be sent to teachers, if they have teaching in Aalborg. MMA will address the Prodean also.

The guide is approved by the study board. ALL will translate and put in the web page.

9. Length of group exams

- Input from Dean of ENG (Thomas Bak)
 - 45 min per student → 40 min per student
 - Max 5 hours → max 4 hours
- Feedback:
 - Have minimum 45 min for a single student project.
 - Okay to avoid very long (5h) exams.

This is information only. There is no input from the study board.

10. Overall evaluation of study (MMA meeting with 10th semester students)

- *“Have more days between exams for example introduce a minimum of 5 days between exams”*
- mma: BEEM can consider moving one exam from June to end April and from January to end October
- *“There is so much online teaching that I cannot recommend Esbjerg for new students”*
- mma: Ough... I recommend pre-recording of lectures so we avoid technical issues and avoid teachers driving to Esbjerg. Q&A session can be online and TA can assist with exercises.

Comments:

- The response rate in the latest semester evaluation was low, and this is MMA's follow-up.
- The students have two good points of which we can do something about one of them: We can try on each semester to have an early exam.
- Decision: The study board agree to implement this. First MMA will make a list of courses where the exam can be moved. We will take this up next time.
- In addition, we will continue the dialogue with the Prodean about online teaching; it is a problem, and it seems to be getting worse; as there are new technical issues every time there is a new lecturer.

11. Report regarding artificial intelligence, exams and project work

This is for your information, and if there are any issues, you wish to raise, we will do so.

The report has been prepared by an advisory board under Rector's office.

- Current: by default, generative AI is **not** allowed at written exams. Recommendation: by default, generative AI is allowed at written exams unless otherwise specified.
- We should challenge the fact the grammar and general writing skills are part of the overall evaluation of BSc and MSc thesis.
 - Argument: Word and Grammarly control exists
 - Argument: We actively encourage students to have a friend or family member read through report before hand in.

No issues are raised by the study board.

12. List of delayed students (offers of talk and special help initiatives)

This is just to let you know that we are doing this.

During the spring semester, identification of delayed students must be carried out for students in the 1st year of study (Bachelor of Science/engineering and master's programmes) who are delayed by more than 5 ECTS points.

MMA, ALL and the study secretaries have reviewed the students at risk of dropping out one at a time. In general, it looks good, as not so many students are late.

Yellow traffic lights lack 6-15 ECTS and are invited to an interview with the student counsellor.
Red traffic light lacks more than 15 ECTS and is invited to an interview with MMA.

If we have sent a letter about a failed exam or created an individual study plan, the students will not receive a letter.

Yellow Esbjerg 2 students have received a yellow letter with an offer to speak with the student counsellor.
Red Esbjerg 3 students have received a red letter with an offer for a special interview with MMA.

In addition, 1 student has subsequently been named as recipient of an initiative by the General Student Guidance.

We manage the rest with individual study plans. ALL files the case in Workzone.

13. Teacher of the year

The students will select a winner, will continue dialogue with ALL.

14. AOB

Nothing to discuss.

15. Credit transfer and exemptions (confidential)

Survey of list in WorkZone.

Action points, incl. responsible people – Study board meeting 27.05.2024

Screening of dyslexia

Email to be sent to study leader and Prodean (Mads, Olav) that we are positive. We believe it should be non-mandatory.

AIE4

Comment about "Project and subjects should mix more. In the first semesters the focus should be more about fundamentals and understanding of the subjects and in the latter semester more time allocated on the project work. More orientation of how to make the project. MMA will investigate: More orientation of how to make the project.

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10. Early exams

MMA will make a list of courses where the exam can be moved. We will take this up next time.