

**Minutes of meeting (2025-4) in the Study Board of
Build, Energy, Electronics and Mechanics in Esbjerg
08.05.2025**

Present:

Matthias Mandø (MMA) (Chair), Jesper Liniger (JEL), Jeppe Akash Bundsgaard Sørensen, Visnu Ritesh Vijayakumaar Palanisamy, Anette Larsen (ALL) (secretary)

Absent: Daniel Ortiz Arroya (DOA), Ulisse Valeriani, Mads Pagh Nielsen (MPN),

Copy:

Sara Lindberg Hildebrandt, Charlotte Slot Lolk, 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. Follow up after last meeting (02.04.2025)
3. Approval of minutes of meeting (02.04.2025)
4. General announcements (short news from the Chairman)
5. Minutes from semester group meetings
6. RISK: Follow-up after seminar 10.04.2025 / approval of changes to study programme and new course module
7. Teacher of the Year
8. Approval of exam plans, summer 2025
9. AOB
10. Credit transfer and exemptions (confidential)
One case to be discussed (application for fourth examination attempt)

Minutes

1. Approval of agenda

Agenda approved.

2. Follow up after last meeting (02.04.2025)

Addendum to study board guidelines to project work in external organisation (ALL)
Remains on the agenda as action point.

3. Approval of minutes of meeting

Minutes approved without comments.

4. General announcements (short news)

- Screening for dyslexia (ordblindhed) at the study start test for BSc. The study board approves that we offer this test.
- In Esbjerg it is SDU who are the supplier of tests, ALL is to make contact and follow up.
- DSUR 24-04-2025 (Agenda)
 - More focus on innovation and entrepreneurship – more activities for students (workshops and programmes)
 - We have also already addressed this by allowing the AAU programme 'internship in own startup' for 3 semester MSc students.
- Drop out rates:

	ENGINEERING	1. maj 2025		
		I alt	Antal	%
	ENG i alt	576		-9.1%
	Absolut frafald	58		
STUDIENÆVN	I ALT ESBJERG	88	-3	-3.3%
BEEM	AIE	25	-1	-3.8%
BEEM	EGI	9	-1	-10.0%
BEEM	BA, dipl.	8	-1	-11.1%
BEEM	M, dipl.	9	0	0.0%

- This still unfortunately does not reflect reality as some have dropped out, but this is not yet registered.

6. Minutes from semester group meetings

AIE2

Linear algebra.

- Many did not show up for Lial-workshop. Wish for morning placement of workshop → This is determined by teacher and study office regarding availability.
- Student member said that the exercises are the same as previous year, so some students use the solution from last year's students. Some students do not find it difficult and thus do not see the reason to show up. MMA will share with teacher.

Real time systems and graphical programming.

- We expect the teacher to read the comments.

Project work.

- We expect the teacher to read the comments.

EN2

Schedule.

- We cannot make a schedule which is the same every week. Also, in spring there are lots of small holidays which we must accommodate.

BA2

Nothing to remark.

AIE4

Number of emails

- We try to limit the number of emails.
- Student members suggest a newsletter to replace "unimportant mails". MMA will talk to the study office (Next STU-fredagsmøde)
- MMA concedes that there are many emails from Moodle.

Students ask for corrections to exam problems, for example in the form of a solution sheet so you can see what you did wrong

- This is done in different ways by different teachers. MMA will take this up at the next section meeting.

Modelling and simulation.

- Communications error due to different versions of study programmes. It has been sorted.

Fundamental Control.

- Locked door. Students should be on time, which they have hopefully learned. No action.

Mechanics.

- There must be a local teacher next time this is running. We will find a solution. The teacher in Aalborg is a very good teacher, but there are continued problems with the online part. The teacher from Aalborg will be in Esbjerg for a Q&A this month.
- Teacher have been using Danish textbook with no English reference text. The course is for the first time co-read with the course on Statics and Strength of Materials (Statik og styrkelære) for MT2/BA2 where the course has been in Danish. The course was co-read to mitigate problems with the remote teaching from Aalborg as the teacher is locally based. MMA has already talked with the teacher about this. The course is over by now and we trust that the teacher has done his part to make up for the lack of an English reference text. This is the last year that AIE has this Mechanics course. So, the language problem will solve itself.

AIAS

Machine learning and condition monitoring.

- First time this course is running.
- The exam for the physics informed neural network doesn't cover anything from the last lecture. We expect teachers to read these comments.

Non-linear control and reliability.

- The first five lectures only covered nonlinear systems, which we do not understand. MMA will mention this to the teacher.
- The course does not include control but only non-linearization and reliability. It is been decided to change the name of the course to Non-linearity and reliability.

Probabilistics robotics.

- Size of groups for exercises. We expect the teacher to read these comments.
- Moodle miscommunication. MMA has talked to the teacher who has repeated the lecture online.

6. RISK: Follow-up after seminar 10.04.2025 / approval of changes to study programme and new course module

The seminar focused on minor changes for the next two years and then a discussion about what to include as per 2028 when all Tech study programmes must be reduced to 75 ETCS.

RISK - Project and course overview (2026 - 27)

(2026 -

Semester	Projekttema (15 ECTS)	Kursus 1 (5 ECTS)	Kursus 2 (5 ECTS)	Kursus 3 (5 ECTS)
1	Industry Standards and Legislation (Inspirational guest lectures)	Systems Engineering	Risk Analysis	Applied Statistics and Probability Theory (joint)
2	Risk Analysis and Management (Technical guest lectures)	Decision Making	Risk Management	Electives
3	Operational Risk Management in Projects	Simulation of Emergencies	Emergency Management	Electives
4	Master thesis			

- Moved two electives around
- New elective in Statistics
- Removed elective in Integration



Electives 2 semester
Maintenance management (opening to other studies, move to 3 semester)
Health and Safety management
Integration of Risk, Resilience and Sustainability (remove)
Applied Statistical Modelling
Electives 3 semester
Risk and Reliability in Engineering (move to 2 semester)
Risk communication

Comments:

2026-27

- It is a challenge that the students must relocate to SDU for second semester and then back to AAU for the third semester.
- There are candidates from engineering, but also candidates with a more soft background in health care, e.g. This can be addressed by having guest lectures; however, this is extra curricular.
- We keep the structure, but we swap two courses.
- Courses: Integration of Risk, Resilience and Sustainability to be removed. The seminar agreed on this. Then there will be a new elective: Applied Statistical Modelling. We are not adding anything extra by adding electives.
- About the new course: Description by Christian Damsgaard Jørgensen, reviewed by MMA. It adheres with the study curriculum format.
- There is a math course on the first semester, which should probably be prerequisite for this course.
- The study board approves all changes.

2028

Tentative proposal overview 75 ECTS - Project and course (2028 -)

Semester	Problem based project work	Course (5 ECTS)	Course (5 ECTS)	Course (5 ECTS)	Course (5 ECTS)
1	Industry Standards and Legislation (10 ECTS)	Risk Analysis and Systems Engineering	Decision Making	Risk Management (? Needs to be decided if it can run in autumn)	Applied Statistics and Probability Theory
2	MSc thesis 30 ECTS	Simulation of Emergencies and Management	Health and Safety management	Risk communication	N/A
3			Risk and Reliability in Engineering	Maintenance management	
3		N/A	N/A	N/A	N/A

Route Engineering
Maintenance management
Risk and Reliability in Engineering
Applied Statistical Modelling
Introduction to artificial Intelligence

Route HSE
Health and Safety management
Risk communication



Comments:

- This is just an initial discussion.
- There was a discussion at the seminar whether we could merge courses, have smaller projects and more courses.
- We propose two routes for electives: a health and safety management route and an engineering route.
- We want a regular thesis of 30 ECTS, however MMA is not certain this will be allowed.
- The above is not a finalised model, but a model on how it can be done.
- About the issue of two campuses: AAU says we should only have AAU Esbjerg. But Risk management is a joint course, and the students will take the classes on a different campus: We will still use SDU but the students will have more sense of belonging here in Esbjerg.

7. Teacher of the Year

ALL has put all nominations for spring 2025 in a folder under beem-bilag – the 8 May folder and sent an email to student members to nominate a candidate for Teacher of the year Spring 2025. Then the students must select the overall Teacher of the Year from the two candidates – Autumn 2024 and Spring 2025 – to be announced at graduation on 30.06.2025. We will discuss this at our next meeting.

8. Approval of exam plans, summer 2025

Approved. However, this is too late. ALL must require the exam plans much earlier – as soon as they are made.

9. AOB

We have moved the study board meeting from 03.06.2025 to 13.06.2025 and cancelled the meeting 30.06.2025 which is also the date of graduation.

10. Credit transfer and exemptions (confidential)

- Survey of list in WorkZone.
- Discussion about student applying for extra attempt at fourth semester project.

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

- The study board discussed and voted on the decision.
- The application is rejected.

Action points, incl. responsible people – Study board meeting 08.05.2025

- Addendum to study board guidelines to project work in external organisation (ALL)
- Screening for dyslexia (ordblindhed) at the study start test for BSc. In Esbjerg it is SDU, ALL is to make contact and follow up.
- Changes to RISK curriculum are to be reported to the study curricula database, to be done after 01.07.2025 when the year 2026/27 is opened in the study base (ALL).
- Change of module title from Non-linear control and reliability to Non-linearity and reliability (confer with Zhenyu Yang) (ALL)