

## Teaching portfolio

**1. Teaching CV: A list of teaching and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD). Please state the teaching method used (e.g. lecture, class teaching, exercises, supervision, examination, coexamination, distance teaching, internet-based teaching and evaluation of teaching). Please also indicate the language of instruction.**

E17:

- Project supervision, P0.

E18:

- Theoretical Foundations of Computer Science for DAT2, Danish (1/2 course). Lecturing, exercise sessions, and written exam.

F19:

- Mathematical Foundations of Computer Science, Co-examiner on oral exam.

E19:

- Theoretical Foundations of Computer Science for DAT2, Danish (1/2 course). Lecturing, exercise sessions, and written examination.

F20:

- Linear algebra for BA2 and MP2, Danish (1/2 course). Lecturing, exercise sessions, workshops, and oral exam.
- Mathematical Foundations of Computer Science, Co-examiner on oral exam.

E20:

- Linear algebra for EIT1, ComTek1, ROB1, and PDP1 (1/2 course). Lecturing, exercise sessions, workshops, and oral exam.
- Calculus for GBE1, Danish. Lecturing and exercise sessions in 2 of 12 sessions. All workshops incl. oral exam.

F21:

- Project supervision P8. 'Anvendelsesorienteret matematik på mellemtrin' (Discrete mathematics).
- Linear algebra, Danish (~1.5 course). Lecturing and exercise sessions. In addition, workshops and oral exam for BA2 and MP2.

E21:

- Algebra 1 for MAT3, Danish (1/2 course). Lecturing, exercise sessions, and written exam.
- Linear algebra, Danish (~1 course). Lecturing and exercise sessions. In addition, workshops and oral exam for EIT1, ComTek1, ROB1, and PDP1.
- Project supervision, P9. 'Avanceret anvendelsesorienteret matematik' (Discrete mathematics).
- P1 for MATØK. Co-examiner on oral exam.

F22:

- Linear algebra, Danish (~1/2 course). Lecturing and exercise sessions. In addition, workshops and oral exam for BA2 and MP2.
- Project supervision, P4. Applications of algebraic structures.
- Master's thesis supervision, P10. Bounds on rational places in function fields.

E22:

- Algebra 1, Danish (1/3 course). Lecturing, exercise sessions, and written exam.
- Linear algebra for ROB1 and ST1, Danish (10 of 12 sessions). Lecturing and exercise sessions. In addition, workshops and oral exam for ROB1.

F23:

- Algebra 1, Danish (1/3 course). Lecturing, exercise sessions, and written exam.
- Lineær algebra for BA1, MP1, EGI1, IV1, and GBE1 (8 af 12 kursusgange). Lecturing and exercise sessions.
- Project supervision, P4. Applications of algebraic structures.

E23:

- Linear algebra with applications (1/2 course). Lecturing, exercise sessions and written exam.
- Linear algebra for ROB1 and ST1 (10 of 12 sessions). Lecturing and exercise sessions. In addition, workshops and oral exam for ROB1.
- Calculus for DVML1 and GBE1 (2 of 12 sessions). In addition, workshops and oral exam for GBE1.
- Project supervision, P0 MATTEK.

F24:

- Linear algebra for BA2 and others (12 of 12 sessions). Lecturing and exercise sessions. In addition, workshops and oral exam for BA2.
- Linear algebra for KMB2 (8 of 12 sessions). Lecturing and exercise sessions.
- Master's thesis supervision, P10: Quantum Error-Correction.

E24:

- Linear algebra with applications (1/2 course). Lecturing, exercise sessions and written exam.
- Linear algebra for ROB1 and ST1 (10 of 12 sessions). Lecturing and exercise sessions. In addition, workshops and oral exam for ROB1.

**2. Study/programme administration and management: Experience in programme management and coordination. A list of study administration tasks, e.g. study board membership, chair of study board, semester or course coordinator, accreditation tasks, etc. Experience in planning teaching activities. Experience in programme development. Participating in committees and commissions etc. on education issues.**

E18–E21: Setup and handling of digital multiple-choice exams in Moodle for the courses in Linear algebra and Calculus. Extracting results for examiners and later.

From F19: Development and administration of first.math (primarily with Lisbeth Fajstrup). This includes development of material and videos to workshops, development of software to generate schedules, organization of teaching materials on the intranet.

From F20: Handling of results from the Study Exam (studiestartsprøve) and subsequent analysis for the study boards.

**3. Formal pedagogical training: A list of completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc. Written assessment from the course in university pedagogy for assistant professors. Participation in conferences on pedagogy and didactics. Please enclose any documentation of the above, such as course certificates, references, etc**

Completed the university pedagogy course in December 2022.

**4. Other qualifications: Conference contributions and attendance, contributions to debates, scientific articles on pedagogical issues etc. Peer supervision, editorials, mentoring experience or other types of competence development activities.**

See <https://vbn.aau.dk/da/publications/transforming-first-year-calculus-teaching-for-engineering-student>

**5. Pedagogical development and research: Development of new courses, teaching materials, teaching methods, examination types or other types of pedagogical development. Didactic and pedagogical research. Cooperation with external collaboration partners.**

See the description of first.math in section 2.

**6. References on your teaching skills from superiors or colleagues. Teaching evaluations and any teaching awards received.**

In the minutes of the semester group meeting for EGI2 in Aalborg (which took place on 27th April 2021) the following (translated) snippet is included:

"All the groups have selected René Bødker Christensen as teacher of the year. Throughout, he has been good at explaining things in linear algebra, and in case of questions he has taken the time to explain it. There has been minimal criticism of the course, and he has been good at receiving suggestions."

**7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogical development, plans for following up on student feedback/evaluations, etc. Personal reflections on your own pedagogical practice, including objectives, methods and**

implementation. This should include an analysis and a reasoned description of your pedagogical activities in relation to your pedagogical understanding and student learning. Thoughts on the teaching method at Aalborg University (which is largely based on group-organised project work and problem-based learning)

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8. Any other information or comments.

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