

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.

All the following courses are 5 ECTS.

Teaching parts of the course "Fault Detection in Buildings" in English on 3. semester MSc (Indoor Environmental and Energy Engineering) my responsibilities include lectures, exercises, supervision and examination. (years: 2021, 2022, 2023, 2024)

Teaching parts of the course "Stochastic Modelling and Design Optimization" in English on 2. semester MSc (Indoor Environmental and Energy Engineering) my responsibilities include workshops with lecture and exercises, and examination. (years: 2022, 2023, 2024, 2025)

Teaching parts of the course "Simulering af løsningsrummet for bygnings indeklime og energiforbrug" in Danish on 6. semester BSc (Architecture and Design) my responsibilities include workshops with lecture and exercises as well as examination. (years: 2022, 2023, 2024, 2025)

Teaching parts of the course "IT system development" in English on the 3. semester MSc (Indoor Environmental and Energy Engineering) and 2. semester MSc (Building Informatics) my responsibilities include the lectures for the part on Python programming and supervision. (years: 2022, 2023, 2024)

Teaching parts of the course "Building related fluid mechanics" in english on the 1. semester MSc (Indoor Environmental and Energy Engineering) my responsibilities include supervision related to labwork (Particle Image Velocimetry (PIV) setup) and simulation (CFD). (years: 2021, 2023, 2024)

Teaching the course "Control and Analysis of Building Energy Systems" in english on 6. semester BSc (Indoor Environmental and Energy Engineering) and 3. semester MSc (Building Energy Design) my responsibilities include all lectures, the workshop and examination. (years: 2025)

Supervision

3. semester MSc (Building Energy Design)

- 2025 - 7 students (1 group)

4. semester MSc thesis (Building Energy Design)

- 2024 - 5 students (2 groups)

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.

Semester co-coordinator for 2. semester MSc (Indoor Environmental and Energy Engineering). (years: 2022)

Semester co-coordinator for 3. semester MSc (Building Energy Design). (years: 2022, 2025)

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

None currently relevant.

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.

None currently relevant.

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.

Updating the course "Fault Detection in Buildings" to include more focus on fault detection using BMS and other time series data, as well as increasing the practical focus and realism of the course through a joint cooperation with the Aalborg University Campus Service team to ensure real cases and implementation of the students' proposed solutions. Updating part of the course "IT system development" with more focus on active and independent examples for better learning programming in Python depending on the level of the students, along with coupling BIM and BMS data.

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

None currently relevant.

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)

Type your answer here...

8. Any other information or comments.

None.